					Brida	e Culve	ert Inspe	ection				
Bridge File Num	ber	74663 N			Form T		CULM					
Year Built 1968							Lot No.		4			
Bridge or Town	Name	CANMO	ORE			Inspector Name		Garry Roberts				
Located Over PIGEON (· ·	tor Class	BR CLS A				
Located On COLLECT						Assistant Name						
Water Body Cl./					Assistant Class							
Navigabil. Cl./Ye					Inspection Date		08-Feb-2012					
Legal Land Loca					Data E		Lauren Korte					
								ntry Date	16-Mar-2012			
								ver Name	Tom Carey			
•			INED CMA	,			Review Date 22-Feb-2012					
Clear Roadway/	Skew	11.2 /						Dept. Reviewer Name Tim Davies				
AADT/Year								Review Date	22-Mar-2012			
Road Classificat	ion	RLU-21	0G-90				Follow-					
Detour Length (I	km)	1										
Bridge Culvert		ation										
Number of Culve			2									
Pipe #	Barrel	Span Rise (or I			Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		4260 2940			RPP		31.7	152X51	4.0	PIPE ARCH	
2	MAIN	4260 2940			RPP		31.7	152X51	4.0	PIPE ARCH		
Special Features	S											
Special Features	s Comr	ment										
Litility Attaches	-4-				Uti	lities (L	ocated	at)				
Utility Attachmer		ditab					Gas					
Telephone Power		ditch.						a a l				
Others		and South ROW. rossed 50m West.					Municip	m (Y/N) No				
Remarks	and ci	USSEU DI	om west.				Floblei	II (1/IN) INO				
Remarks				Δι	nnroad	ch Road	l / Emb	ankment				
						_	Explanation of Condition					
Horizontal Alignment			-		6	6	Two wa	av traffic.				
Vertical Alignme					5	5	Collect	or for Hwy. 1 o	verpass on			
Roadway Width	(m)		11.200	1.200								
Embankment					7	7						
Sideslope (:	:1)		3.0									
(Height of Cov	er(m) :	1.4)										
Guardrail (Y/N)		,	Yes									
Approach Road	d / Emb	oankmer	nt General Rat	ing	5	5						
						Unetre	am End					
Culvert Compo	nent				Last			ation of Cond	ition			
(Pipe # : 1 , Spa		e: Prima	ry Span)		1 - 51 - 51	111111						
Direction			, , ,				South 6	end of East pip	e.			
End Treatment (Concrete, Steel, Others, None)												
Headwall			·		Х	Х						
Collar	Collar				Х	Х						
Wingwalls					Х	X						
(Shape:)												

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	y Span)			
Cutoff Wall			Х	
Bevel End		7	7	
Heaving (mm)	150			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		7	7	
(Type: RIP RAP)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dge Cul	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 4260	, Rise (mm): 2940, Type: RPP)
Barrel Last Accessible Date	08-Feb-2012			East barrel.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	2810			
Measured At Ring No.	5			
Sag (mm)	130			
Percent Sag	4			
Sidewall		7	7	
Measured Span (mm)	4300			
Measured At Ring No.	5			
Deflection (mm)	40			
Percent Deflection	1			
Floor		5	5	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		7	7	
Separation (mm) 0				
Longitudinal Seams		7	7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		4	4	Heavy corrosion of floor with pitting.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			

		Brid	dae Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm		·
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	Steep & fast @ D/S apron. 2 stopped pooled areas before main channel.
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction				North end of East pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL		1	
Headwall		Х	Х	
Collar		X	X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	7	
Heaving (mm)	150			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	600			
Scour Protection		6	5	Rock lined deep.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 450)			\	
Scour/Erosion		6	5	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	6	5	
				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction				South end of West pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	Х	
Collar		Х	Х	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		X	X	

			Harata	om End
Culvert Component		Last		Explanation of Condition
Culvert Component			INOW	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span) Bevel End			7	
	150	7		
Heaving (mm) Invert Above/Below Stream Bed	BELOW			
Above/Below (mm) 150 Scour Protection		7	7	
(Type: RIP RAP)			/	
· • · · · · · · · · · · · · · · · · · ·				
(Avg. Rock Size(mm) : 300) Scour/Erosion			7	
300ui/E103i0i1		7		
Beavers (Y/N)	No			
		_	_	
Upstream End General Rating		7	7	
		Bri	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
	cation Code: MAIN, S			260, Rise (mm): 2940, Type: RPP)
Barrel Last Accessible Date	08-Feb-2012			West barrel.
Special Footures				
Special Feature				
Special Feature				
(Type:)				
Special Feature				
(Type:)			7	
Roof		7	7	
Measured At Ring No.	2855			
Measured At Ring No.	95			
Sag (mm)	85			
Percent Sag	3		7	
Sidewall Management Strong (1997)	4070	7	7	
Measured Span (mm)	4270			
Measured At Ring No.	8			
Deflection (mm)	10			
Percent Deflection	0	-		
Floor	0	5	5	
Bulge (mm)	0			
Measured At Ring No.	Vac			
Abrasion (Y/N)	Yes	_	-	
Circumferential Seams	0	7	7	
Separation (mm)	0	_	-	
Longitudinal Seams	0	7	7	
Total No. of Cracked Rings 0				
Total No. of Rings with Two OCracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N) No				
Longitudinal Stagger (Y/N) No				
Coating			4	Heavy corrosion with pitting of floor.
Corrosion By Soil (Y/N) Yes				
Corrosion By Water (Y/N) Yes				Minor soil corrosion @ long seams.
Camber POS/ZERO/NEG ZERO				

		Brid	dae Cu	Ivert Barrel				
Culvert Component		1						
	cation Code: MAIN, S	Span (r		260, Rise (mm): 2940, Type: RPP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		5	5	Steep & Fast @ D/S. 650mm drop from D/S bevel.				
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		7	7					
Outroot Common and				ream End				
Culvert Component	Iama Caran)	Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	ary Span)			At all a CW as a				
Direction Comment Comments Office	OTEEL			North end of West pipe.				
End Treatment (Concrete, Steel, Others, None)	SIEEL							
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		7	7					
Heaving (mm)	75							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm) 650								
Scour Protection		5	5					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 450)		_						
Scour/Erosion		5	5	Minor erosion.				
Beavers (Y/N)	No							
Downstream End General Ratio	ng	5	5					
		6	Structu	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)		Last	INOW	Explanation of Condition				
Alignment		7	7					
Bank Stability		7	7					
HWM (m below Top of Culvert)	1.8			No visible HWM.				
Drift (Y/N)	No			1 2 72				
Channel Bottom Degrading/Aggrading	AGGRADING			@ D/S end.				
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :								
Channel General Rating		7	7					

		Maintenance Re	commend	lations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	6								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 77.8/77	.8 Sufficiency Rating (Last/N	low)	72.3/76.3 Est. Repl. Yr 2027		2027	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy								·	
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts		Previous	Assistant's Name					
Next Inspection Date	08-Nov-2013		Previous	s Inspection Date 27-Sep-2010					
Inspection Cycle (Default) (months)	21								
Comment									