					Brida	e Culve	ert Insped	ction				
Bridge File Nur	nber	79030 -1 Bridge Culvert				Form Type			CULM			
Year Built 1983							Lot No.		4			
Bridge or Town	Name	LONGVI	IEW				Inspector Name		Garry Roberts	Garry Roberts		
Located Over LANTERN								BR CLS A	<u> </u>			
Located On 40:10 C1 1						Assistant Name						
Water Body Cl.	/Year							stant Class				
Navigabil. Cl./Year								Inspection Date 22-Jun-2011				
							Data En		Alyssa Boynton			
						Data En	-	13-Jul-2011				
		Alberta -	, and the second				Reviewe	wer Name Tom Carey				
·		CMA28					Review	Date	e 28-Jun-2011			
Clear Roadway	//Skew	11 / 30 c	deg. (RHF)				Dept. Re	Dept. Reviewer Name Tim Davies				
AADT/Year		440 / 20	10 (A)				Dept. Re	eview Date	15-Jul-2011			
Road Classifica	ation	RAU-20	9-110				Follow-L	Follow-Up By				
Detour Length	(km)	50										
Bridge Culver	t Inform	ation										
Number of Culv	verts		2									
Pipe #	Barrel		Span	Rise (or	se (or Dia.)		I	_ength	Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN		2590	1880	RPP			37.2	152X51	4.0	PIPE ARCH	
2	MAIN		2590	1880		RPP	(;	37.2	152X51	4.0	PIPE ARCH	
Special Feature	es	\	VERT TIMBER	STRUTS	3							
Special Feature	es Comi	ment										
					114	litico (l	_ocated a	.4\				
Utility Attachme	ante				Oti	iities (L	_ocaleu a	it)				
Telephone	71113						Gas					
Power								Municipal				
Others								Problem (Y/N)				
Remarks	Lante	rn Creek.					T TODIOITI	(1/14)				
remaine	20	0.00		Ar	oproac	ch Road	d / Embai	nkment				
					Explanation of Condition							
Horizontal Alignment			6	6	Gradual curves and sags, good							
Vertical Alignm	ent				6	6	visibility. Parking	entrance 50m	S			
Roadway Width	n (m)		11.000						-			
Embankment					7	7						
Sideslope (:1)		4.0									
(Height of Co	· ·	1.3)			1							
Guardrail (Y/N)			No									
Approach Roa	nd / Emi	bankmen	nt General Rat	ing	6	6						
• •				J								
							am End					
Culvert Compo		a. Deimaa	m. Cnan\		Last	Now	Explana	tion of Cond	ition			
(Pipe # : 1, Sp	an Type	e: Primar	ry Span)				0 11 1	, ,				
End Treatment (Concrete, Steel, CONCRETE			S		South pi	pe - east end						
Others, None) \(\) Headwall			Х	Х								
Collar				X	X							
Wingwalls			Х	X								
(Shape:)												
()												

79030 -1 Bridge Culvert

Upstream End									
Culvert Component				Explanation of Condition					
(Pipe # : 1, Span Type: Primary	y Span)	1	111111						
Cutoff Wall	• /	7	7						
			_						
Bevel End		7	7						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	100								
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 400)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Upstream End General Rating		7	7						
opoliodiii End Conordi Rating									
Culvert Component				vert Barrel Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN Sna								
Barrel Last Accessible Date	22-Jun-2011	(111111	i). 2390	South barrel.					
Dairei Last Accessible Date	22-Jun-2011			South barrel.					
Special Features									
Special Feature		6	6	South pipe-struts slightly crooked					
(Type: VERT TIMBER STRUTS)				Abrasion on 1st struts					
Special Feature									
(Type :)									
Roof		6	6						
Measured Rise (mm)	1800								
Measured At Ring No.	6								
Sag (mm)	80								
Percent Sag	4								
Sidewall		3	3	Rating due to cracked seams.					
Measured Span (mm)	2645								
Measured At Ring No.	4								
Deflection (mm)	55								
Percent Deflection	2								
Floor		6	6	50% of floor is visible					
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	Yes								
Circumferential Seams		7	7						
Separation (mm)	0								
Longitudinal Seams		3	3	Ring # Remaining Steel # Bolts					
Total No. of Cracked Rings	6			2 120 16 3 116 16					
Total No. of Rings with Two Cracked Seams				4					
Min. Remaining Steel Between Cracks (mm)	78			6 83 16 7 78 20					
Proper Lap (Y/N)	No			No change this inspection.					
Longitudinal Stagger (Y/N)	No								
Coating		6	5	Superficial rust on floor					
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	Yes								
Controlled by Water (1/14)	. 55								

		Brid	dge Cu	Ivert Barrel
Culvert Component		1		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 2590	, Rise (mm): 1880, Type: RPP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	6	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	Increase for struts
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction		N		South pipe, west end.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)		1		
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	100		1	
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 500)		1 _	T _	
Scour/Erosion	I	7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)	1		
Direction		S		North pipe, east end.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		7	7	

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			Unstre	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		7	7	
Heaving (mm)	50			
	BELOW			
Above/Below (mm)	200			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Bri	dge Cu	Ilvert Barrel
Culvert Component				Explanation of Condition
-	ocation Code: MAIN,			590, Rise (mm): 1880, Type: RPP)
Barrel Last Accessible Date	22-Jun-2011			
Special Features				
Special Feature		6	7	North pipe.
(Type: VERT TIMBER STRUTS)	_		
Special Feature				
(Type:)				
Roof		5	5	
Measured Rise (mm)	1745			
Measured At Ring No.	6			
Sag (mm)	135			
Percent Sag	7			
Sidewall		3	3	Rating due to crackes.
Measured Span (mm)	2680			
Measured At Ring No.	5			
Deflection (mm)	90			
Percent Deflection	3			
Floor		5	5	50% of floor is visible
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		7	7	
Separation (mm)	0			
Longitudinal Seams		3	3	Ring # Remaining Steel # Bolts
Total No. of Cracked Rings	7			1 125 5 2 83 5
Total No. of Rings with Two Cracked Seams				3 90 20 4 90 24
Min. Remaining Steel Between Cracks (mm)	64			5 64 24 - photo 6 85 20 7 95 19
Proper Lap (Y/N)	No			8 118 18
Longitudinal Stagger (Y/N)	No			No change this inspection.
Coating		6	6	Superficial corossion on floor
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

79030 -1 Bridge Culvert

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm): 2	590, Rise (mm): 1880, Type: RPP)
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		6	6	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	Increase for struts
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction		N		West end. North pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm): 500)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)			1	
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Culvert)				NO HWM VISIBLE
Drift (Y/N)	Yes			Minor drift.
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

Bridge Inspection & Maintenance System (Web 2005)

		Maintenance	Recommendations					
Inspector Recommendations	Year	Inspector Comments		Department Comments				
SHOTCRETE REPAIRS								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LINING	3							
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CUTO	OFF							
REPAIR SEAMS								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/N (%)	ow) 44.4/44	Sufficiency Rating (La	st/Now) 56.2/55.5	Est. Repl. Yr 2020	0 Maint. Re	qd. (Y/N)	No	
Special Comments for Next Inspection			Department Comments					
Maintenance Reviewed By			Date		Estimated Tota	ıl O		
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	22-Mar-2013		Previous Inspection Date	05-Oct-2009				
I VOX. I I SPECTION DUTC	LL Mai Loto							
Inspection Cycle (Default) (months)	21							