Bridge Culvert Inspection														
Bridge File Number 01771 -1			-1 Bridge Culvert				Form Type			CUL1				
Year Built 1981						Lot No.			1					
Bridge or Town Name BELLIS			3				Inspector Name			Kris Bosters				
		BUTARY TO NORTH SASKATCHEWAN					tor Class		BR CLS A					
			857:06 C1 22 540					ant Name		Brian Cote				
Water Body Cl.	/Year						Assistant Class			11.5				
Navigabil. Cl./Y							Inspection Date			11-Dec-2012				
Legal Land Loc		NW SE	C 23 TM/D 58 DCE 15 M//M					ntry By		Theresa Lacus	sta			
Longitude, Latit			2:08:01, 54:01:42					ntry Date		15-Jan-2013				
			Transportation						Eric Carcoux					
Contract Main. Area CMA07			•					19-Dec-2012						
Clear Roadway			l deg. (RHF)				Dept. Reviewer Name							
AADT/Year		600 / 2						Review Da	ate	18-Jan-2013				
Road Classifica	ation	RCU-2	• • •				Follow-Up By							
Detour Length	(km)	30												
Bridge Culvert Information														
Number of Culv			1											
Pipe #	Barrel		Span	span Rise (or E		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	1600		MP		53		68X13	2.8	ROUND		
Special Feature	es							'			<u>'</u>			
Special Feature														
					Uti	lities (L	ocated	at)						
Utilities (Located at) Utility Attachments														
Telephone West r/w.							Gas							
Power						Munici	pal							
Others								m (Y/N)	No					
Remarks								,						
Approach Road / Embankment														
					Last	Now		Explanation of Condition						
Horizontal Alignment					7	7	Field entrances North & South.							
Vertical Alignment			1		7	7								
Roadway Width	n (m)		9.000											
Embankment				8	8									
Sideslope (:1)		3.0												
(Height of Cover(m) : 4)														
Guardrail (Y/N)			No											
Approach Roa	d / Eml	bankme	nt General Rat	t General Rating		7								
						Upstre	am End							
Culvert Compo	onent				Last	Now	Explar	nation of	Condi	tion				
Direction					E									
End Treatment (Concrete, Steel, Others, None)														
Headwall				Х	X									
Collar			Х	Х										
Wingwalls				Х	Х									
(Shape:)														
Cutoff Wall				Х	X									

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			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	N	Snow covered.
Heaving (mm)	300			Heaving causing distorted u/s coupler.
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	N	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				-
Scour/Erosion		7	N	Snow covered.
20041/21001011			'`	Onew covered.
Beavers (Y/N)	No			
Upstream End General Rating		7	7	Carried fwd.
		Brid	dge Cu	Ilvert Barrel
Culvert Component			Now	
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN,			, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	11-Dec-2012			
Special Features				
Special Feature				
(Type:)				-
Special Feature				_
(Type:)		I		
Roof		4	3	Small (legather 10mm) isolated perferations
	1400	4	<u> </u>	Small (lessthan 10mm) isolated perforations.
Measured At Dira No				_
Measured At Ring No.	2			_
Sag (mm)	200			_
Percent Sag	13			
Sidewall		4	3	Pinhole isolated perforations in lower sidewall.
Measured Span (mm)	1757			
Measured At Ring No.	2			
Deflection (mm)	157			
Percent Deflection	10			9.8%
Floor		5	4	A few small pinhole isolated perforations.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		5	5	Some distortation at u/s coupler.
Separation (mm)	120			
Longitudinal Seams		Х	X	
Total No. of Cracked Rings				1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel				
Between Cracks (mm)				-
Proper Lap (Y/N)				-
Longitudinal Stagger (Y/N)				
Coating	l	6	4	Leaking with some staining observed at couplers. A few pinhole, isolated perforations along floof and roof.
Corrosion By Soil (Y/N)	Yes			- Isolated periorations along floor and root.
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

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Bridge Culvert Barrel											
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1600, Type: MP)							
Fish Passage Adequacy		7	7								
Baffle		X	X								
(Type:)											
Waterway Adequacy		7	7								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N)	No										
Barrel General Rating		4	3								
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction		W									
End Treatment (Concrete, Steel, Others, None)	STEEL										
Headwall		Х	Х								
Collar		X	X								
Wingwalls		Х	Х								
(Shape:)											
Cutoff Wall		Х	Х								
Bevel End		7	N	Snow covered							
Heaving (mm) 0											
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	400										
Scour Protection		7	N								
(Type: RIP RAP)											
(Avg. Rock Size(mm) : 300)											
Scour/Erosion		7	N								
Beavers (Y/N)	No										
Downstream End General Rating		7	7	Carried fwd.							
		s	tructur	e Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment		7	7								
Bank Stability		7	7								
HWM (m below Top of Culvert)				HWM not visible.							
Drift (Y/N)	No										
Channel Bottom AGGRADING Degrading/Aggrading											
Beavers (Y/N)	No										
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		7	7								

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					Maintenance Re	ecommend	lations						
Inspector Recommendations			Year Inspector Comments				Department Cor	mmen	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUTOFF													
REPAIR SEAMS													
OTHER ACTION			2013	Assessm	nent								
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)			44.4/33.	3	Sufficiency Rating (Last/Now) (%)		59.9/54.1 Es		. Repl. Yr	2035 Maint		qd. (Y/N)	Yes
Special Comments for Next Inspection Monitor deformation and corrosion.						Department Comments							
Maintenance Reviewed By							Date				Estimated Tota	1 0	
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name M			Melanie Johnson				Previous Assistant's Name						
Next Inspection Date 1			2016			Previous	Inspection Date		02-Sep-2009				
Inspection Cycle (Default) (months) 3													
Comment													