Bridge Culvert Inspection													
Bridge File Number 00826 -1 Bridge Culvert							Form Typ		CULM	CULM			
Year Built	2000						Lot No.		3				
Bridge or Town	idge or Town Name STIRLING						Inspector	Name	Jason Rusu	Jason Rusu			
Located Over KIPP COULEE, 11.9.6, WAT					CRS-S	ST	· · ·	Inspector Class BR CLS A					
Located On			35.846;4:04 L				· ·	sistant Name					
Water Body Cl.	/Year						Assistant						
Navigabil. Cl./Y						Inspection Date 23-Mar-2013							
Legal Land Loc		NW SE	C 33 TWP 6 R0	3E 19 W4	IM		Data Entry By Lauren Korte						
Longitude, Lati			:57, 49:31:10			Data Entry Date 11-Apr-2013							
Road Authority			Transportation	(AIT)			Reviewer	-	Garry Roberts	3			
Contract Main.		CMA24	ranoportation	(/ 11 /)			Review D		07-Apr-2013				
Clear Roadway			7 deg. (RHF)					/iewer Nam		· · · ·			
AADT/Year			2012 (A)				Dept. Rev		22-Apr-2013				
Road Classifica	ation	RFD-41					Follow-Up		22 //pi 2010				
Detour Length		1	2.4 100					, Dy					
Bridge Culver	<u> </u>												
Number of Culver			3										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	Le	ength	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	3300		MP	1(06	125X26	3.5	ROUND		
2	MAIN		_	3300		MP		06	125X26	3.5	ROUND		
3	MAIN			3300		MP		06	125X26	3.5	ROUND		
Special Feature				0000		1111		50	120//20	0.0	ROOND		
Special Feature		ment											
Special Feature	5 0011	nem											
					Uti	ilities (L	_ocated at						
Utility Attachme	ents												
Telephone							Gas	Sou	th of Rail Crossi	ng.			
Power	West	1 wire		Municip									
Others							Problem ((Y/N) No					
Remarks													
				A	pproa	ch Road	d / Embani	kment					
					Last	Now	Explanat	ion of Con	dition				
Horizontal Aligr	nment				7	7	Curve to south.						
Vertical Alignm	ent				8	8	Railway 60m to South.						
Roadway Width	n (m)		24.800										
Embankment					8	8							
Sideslope (:1)		6.0										
(Height of Co		1.7)	0.0										
Guardrail (Y/N)		,	Yes				-						
Approach Roa	id / Eml	bankmei	nt General Rat	ing	7	7							
••				-									
Culvert Comp	onent				Last		am End Explanati	ion of Con	dition				
(Pipe # : 1, Sp		e: Prima	ry Span)		Last	110 W	Laplanat						
Direction			,				West and	South pipe	<u> </u>				
End Treatment Others, None)	(Concre	ete, Stee						oouin pipe					
Headwall					8	8							
Collar					8	8							
Wingwalls					X	X							
(Shape :)													
(Page	1 of 8						

				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	y Span)		-	
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			1.2m deep silt @ invert.
Above/Below (mm)	500			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating	1	8	8	
				Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	ipan (mm):	, Rise (mm): 3300, Type: MP)
Barrel Last Accessible Date	23-Mar-2013			South pipe Average 1.2m deep silt on floor - frozen
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		N	8	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag	0			
Sidewall		N	8	3250mm average span.
Measured Span (mm)	3230			Inward - at 1/2 length
Measured At Ring No.				
Deflection (mm)	50			
Percent Deflection	0			
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	8	
Separation (mm)	25			
Longitudinal Seams		Х	X	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				1
Longitudinal Stagger (Y/N)				
Coating		8	8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			

Bridge Inspection & Maintenance System (Web 2005)

00826 -1 Bridge Culvert

	Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 3300, Type: MP)						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
Fish Passage Adequacy		X	X							
Baffle		Х	Х							
(Туре :)										
Waterway Adequacy		7	7							
Icing (Y/N)	No			1.2m deep silt.						
Silting (Y/N)	Yes									
Drift (Y/N)	No									
Barrel General Rating		N	8							
			1	eam End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Span Type: Primary	v Span)									
Direction				East end South pipe						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar			X							
Wingwalls		X	X							
(Shape :)			1							
Cutoff Wall		Х	Х							
Bevel End		8	8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	500									
Scour Protection		8	8	Ingrown						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		8	8							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	8	8							
				am End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	ary Span)									
Direction				West end center pipe						
End Treatment (Concrete, Steel, Others, None)	CONCRETE		,							
Headwall		8	8							
Collar		8	8							
Wingwalls		Х	Х							
(Shape:)		N								
Cutoff Wall		N	N							

			Upstre	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End	- • <i>•</i> /	8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			1.0m deep silt at invert
Above/Below (mm)	500			
Scour Protection	000	8	8	
(Type : RIP RAP)			U	-
(Avg. Rock Size(mm) : 250)				-
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Bri	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN			, Rise (mm): 3300, Type: MP)
Barrel Last Accessible Date	23-Mar-2013	(1		Center Pipe
	20 10 2010			1.0m deep silt and ice in pipe
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		N	8	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			-
Percent Sag	0			
Sidewall		N	8	3250mm average span.
Measured Span (mm)	3220			Inward - at 1/2 length
Measured At Ring No.				-
Deflection (mm)	50			
Percent Deflection	0			
Floor		N	N	Avg 1.0m deep silt and ice on floor.
Bulge (mm)				
Measured At Ring No.				1
Abrasion (Y/N)				1
Circumferential Seams		N	8	
Separation (mm)	25		0	
Longitudinal Seams		X	Х	
Total No. of Cracked Rings			~	
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				1
Longitudinal Stagger (Y/N)				1
Coating		8	8	
Corrosion By Soil (Y/N)	No	0	0	
Corrosion By Water (Y/N)	No			
	ZERO			
Camber POS/ZERO/NEG	LERU			

Bridge Inspection & Maintenance System (Web 2005)

00826 -1 Bridge Culvert

		Brie	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (r	nm):	, Rise (mm): 3300, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		X	X	
Baffle			Х	
(Туре :)				
Waterway Adequacy		7	7	1.0m deep silt.
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		N	8	
	1	D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction	1			East end, center pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	Х	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		N	N	
Bevel End		8	8	_
Heaving (mm)	0			
Invert Above/Below Stream Bed				-
Above/Below (mm)	500			
Scour Protection		8	8	
(Type : RIP RAP)				-
(Avg. Rock Size(mm) : 300)		-	-	
Scour/Erosion	1	8	8	
Beavers (Y/N)	No			
Downstream End General Ration	ng	9	8	
				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Second	lary Span)			
Direction	1			West End, North Pipe
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		8	8	
Collar		8	8	
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			

				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Second	lary Span)			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		6	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		6	6	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
		Bri	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	ocation Code: MAIN,	Span (I	mm):	, Rise (mm): 3300, Type: MP)
Barrel Last Accessible Date	23-Mar-2013			North Pipe Avg 1000 mm deep ice
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Туре :)				
Roof		N	8	This pipe takes the flow
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag	0			
Sidewall		N	8	3250mm average span.
Measured Span (mm)	3250			Inward, 1/2 length
Measured At Ring No.				
Deflection (mm)	50			
Percent Deflection	0			
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	8	
Separation (mm)	25			1
Longitudinal Seams		X	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)				1
Longitudinal Stagger (Y/N)				1
Coating		7	6	Minor corrosion at haunches
Corrosion By Soil (Y/N)	No		J	
Corrosion By Water (Y/N)	Yes			1
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	cation Code: MAIN	, Span (r	nm):	, Rise (mm): 3300, 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		N	8	
Culvert Component				eam End Explanation of Condition
Culvert Component	lory Epon)	Last	NOW	
(Pipe # : 3, Span Type: Second				East end North Pipe
Direction End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall	1	X	Х	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	8	
			Structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		6	6	Railway bridge 40m U/S. Curve @ D/S.
Bank Stability		7	7	
HWM (m below Top of Culvert)	2.0			Drift caught at inlet, large timbers span inlet.
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :				
Channel General Rating		6	6	

Maintenance Recommendations													
Inspector Recommendations	<u> </u>	Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION	2	2013	At u/s end - center pipe.										
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUTC	DFF									_			
REPAIR SEAMS										_			
OTHER ACTION													
OTHER ACTION										_			
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/No. (%)	ow) (55.6/88.9 Sufficiency Rating (La (%)		Now) (66.2/81.3 Est. Repl. Yr 2055		2055	Maint. Reqd. (Y/N)		Yes			
Special Comments for Next Inspection					Department Comments								
Maintenance Reviewed By					Date		E	Estimated Total	0				
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name	Jon Dav	vies		Previous /	Assistant's Name								
Next Inspection Date	23-Dec-	-2014		Previous I	nspection Date	22-Jun-2011							
Inspection Cycle (Default) (months)	21												
Comment													