08355 -1 Bridge Culvert

					Bridg	e Culve	ert Inspe	ection					
Bridge File Number 08355 -1 Bridge Culvert					Form Type			CULM					
Year Built 1998						Lot No.			4				
Year Built 1998 Bridge or Town Name CORONATION Located Over TRIBUTARY TO WATERCRS-ST Located On 872:04 C1 7.893 Water Body Cl./Year Navigabil. Cl./Year			NATION				Inspect	tor Name		Jason Saly			
			ON CRE	EK, 5.′	18.2,	Inspect	tor Class		BR CLS A				
							int Name						
		072.04	C17.093				Assistant Class						
							Inspection Date			09-Jun-2011			
		NW SE	C 6 TMD 27 DCE 10 M/4M				Data Entry By Marcia Chavez						
Water Body CI./Year Navigabil. CI./Year Legal Land Location NW SEC Longitude, Latitude -111:26:0 Road Authority Alberta T Contract Main. Area CMA21 Clear Roadway/Skew 9 / AADT/Year 520 / 201 Road Classification RCU-209 Detour Length (km) 3 Bridge Culvert Information Number of Culverts 2 Pipe # Barrel S 1 MAIN - 2 MAIN - Special Features Special Features Comment Utility Attachments Telephone West ditch. Power 3 wire 15m E.			JL 10 VV-	·IVI			ntry Date		27-Jun-2011				
				(ΔΙΤ)				Reviewer Name John O'Brien					
						Review Date 17-Jun-2011							
							Dept. Reviewer Name Chris Black						
AADT/Year 520 / 2010 Road Classification RCU-209- Detour Length (km) 3 Bridge Culvert Information)10 (A)				Dept. Review Date Follow-Up By		30-Jun-2011					
							Follow-	-Uр Ву					
Detour Length	(km)						-						
_			2										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN		-	2400		MP		33		125X26	2.8	ROUND	
2	MAIN		-	2400		MP		33		125X26	2.8	ROUND	
Special Feature	es												
Special Feature	es Comr	ment											
Litility Attachma	nto				Uti	lities (L	ocated.	at)					
		ditab					Gas						
-							Municip	201					
	2 MILE	IJIII L.						m (Y/N)	No				
							T TODICI	11 (1/14)	140				
Romano				Ar	oproac	ch Road	l / Emba	ankment					
				<u>'</u>	Last	Now		ation of	Condi	tion			
Horizontal Align	nment				9	8	In shall	ow sag c	urve b	ut still limits			
Vertical Alignme	ent				6	6	sight distance. No passing NB.						
Roadway Width	n (m)		8.100										
Embankment					9	8							
Sideslope (_:1)		4.0										
(Height of Co	ver(m):	0.3)											
Guardrail (Y/N)			No										
Approach Roa	d / Emb	oankmei	nt General Rat	ing	6	6							
						Unstre	l am End						
Culvert Compo	onent							ation of	Condi	tion			
(Pipe # : 1, Sp		e: Prima	ry Span)						23.41				
Direction			<u>, , , , , , , , , , , , , , , , , , , </u>		W		South	oipe.					
End Treatment Others, None)	(Concre	ete, Stee	I, STEEL		• •			- 1					
Headwall					Х	Х							
Collar				Х	X								
Wingwalls					Х	X							
(Shape:)													

			Upstre	am End	
Culvert Component		Last	Now	Explanation of Condition	
(Pipe # : 1, Span Type: Primary	/ Span)				
Cutoff Wall			X		
Bevel End		9	8		
Heaving (mm)	0				
Invert Above/Below Stream Bed	BELOW				
Above/Below (mm)	500				
Scour Protection		9	8		
(Type : RIP RAP)					
(Avg. Rock Size(mm) : 300)					
Scour/Erosion		9	8		
Beavers (Y/N)	No				
Upstream End General Rating		9	8		
		Brio	dge Cu	Ivert Barrel	
Culvert Component		Last	Now	Explanation of Condition	
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 2400, Type: MP)	
Barrel Last Accessible Date	09-Jun-2011			South barrel.	
Special Features					
Special Feature					
(Type:)					
Special Feature					
(Type:)					
Roof		9	8	Could not take measurements due to silt build-up.	
Measured Rise (mm)					
Measured At Ring No.				Est.	
Sag (mm)	30				
Percent Sag	1				
Sidewall		9	8	2 minor deflects in N sidewall near E end.	
Measured Span (mm)	2367				
Measured At Ring No.					
Deflection (mm)	33			1.4% deflect inward.	
Percent Deflection	1				
Floor		N	N	Dirty water & silt covered.	
Bulge (mm) 0					
Measured At Ring No.					
Abrasion (Y/N)	No				
Circumferential Seams		9	8		
Separation (mm)	25				
Longitudinal Seams		Х	Х		
Total No. of Cracked Rings					
Total No. of Rings with Two Cracked Seams					
Min. Remaining Steel Between Cracks (mm)					
Proper Lap (Y/N)					
Longitudinal Stagger (Y/N)					
Coating		6	6		
Corrosion By Soil (Y/N)	Yes				
Corrosion By Water (Y/N)	Yes				

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		Brid	dge Cu	lvert Barrel		
Culvert Component (Pipe # : 1, Primary Span, Location Code: MAIN Camber POS/ZERO/NEG Ponding (Y/N) Yes Fish Passage Adequacy Baffle (Type :) Waterway Adequacy Icing (Y/N) Silting (Y/N) Porift (Y/N) No Barrel General Rating Culvert Component (Pipe # : 1, Span Type: Primary Span) Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : RIP RAP) (Avg. Rock Size(mm) : 300) Scour/Erosion Beavers (Y/N) No Downstream End General Rating Culvert Component (Pipe # : 2, Span Type: Secondary Span) Direction		Last	Now	Explanation of Condition		
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm	n):	, Rise (mm): 2400, Type: MP)		
Camber POS/ZERO/NEG	ZERO					
Ponding (Y/N)	Yes					
Fish Passage Adequacy		7	7			
Baffle		Х	Х			
(Type:)						
Waterway Adequacy		9	8			
Icing (Y/N)	No			~300-400mm.		
Silting (Y/N)	Yes			000 10011111.		
Drift (Y/N)	No					
Barrel General Rating		9	8			
		D	ownstr	eam End		
		Last	Now	Explanation of Condition		
(Pipe # : 1, Span Type: Primary	/ Span)					
		E		South pipe.		
End Treatment (Concrete, Steel, Others, None)	STEEL					
Headwall		Х	Х			
Collar		X	X			
Wingwalls		X	X			
(Shape:)		1				
Cutoff Wall		Х	X			
Bevel End		9	8			
Heaving (mm)	0					
Invert Above/Below Stream Bed	BELOW					
Above/Below (mm)	500					
		9	8			
		1				
Scour/Erosion		9	8			
Beavers (Y/N)	No					
Downstream End General Ratio	ng	9	8			
				am End		
_		Last	Now	Explanation of Condition		
	ary Span)	1				
		W		North pipe.		
End Treatment (Concrete, Steel, Others, None)	STEEL					
Headwall		X	X			
Collar		Х	Х			
Wingwalls		Х	Х			
End Treatment (Concrete, Steel, STEEL Steedwall Collar Vingwalls (Shape:) Cutoff Wall Bevel End Heaving (mm) 0 Invert Above/Below Stream Bed BELOW Above/Below (mm) 500 Scour Protection (Type: RIP RAP) (Avg. Rock Size(mm): 300) Cour/Erosion Beavers (Y/N) No Cownstream End General Rating Culvert Component Pipe #: 2, Span Type: Secondary Span) Direction End Treatment (Concrete, Steel, STEEL Others, None) Headwall Collar Vingwalls (Shape:)						
Cutoff Wall		Х	X			

			Unstre	eam End			
Culvert Component				Explanation of Condition			
(Pipe # : 2, Span Type: Second	ary Span)						
Bevel End		9	8				
Heaving (mm) 0							
Invert Above/Below Stream Bed							
Above/Below (mm)	500						
Scour Protection	000	9	8				
(Type : RIP RAP)							
(Avg. Rock Size(mm) : 300)							
Scour/Erosion		9	8				
Beavers (Y/N)	No						
Upstream End General Rating		9	8				
		Brid	dae Cu	Ilvert Barrel			
Culvert Component			Now	Explanation of Condition			
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN			, Rise (mm): 2400, Type: MP)			
Barrel Last Accessible Date	09-Jun-2011		•	North barrel.			
Special Features							
Special Feature							
(Type:)							
Special Feature							
(Type:)							
Roof		8	8	Superficial rust on top of barrel, exposed surface.			
Measured Rise (mm)				Could not take measurements due to silt build-up.			
Measured At Ring No.				Est.			
Sag (mm)	30						
Percent Sag	1						
Sidewall		9	8				
Measured Span (mm)	2367						
Measured At Ring No.	2						
Deflection (mm)	33			1.4% deflect inward.			
Percent Deflection	1			1.176 donoce inward.			
Floor		N	N	Dirty water & silt covered.			
Bulge (mm)	0						
Measured At Ring No.							
Abrasion (Y/N)	No						
Circumferential Seams		9	8				
Separation (mm)	20						
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)							
Longitudinal Stagger (Y/N)							
Coating		5	5				
Corrosion By Soil (Y/N)	Yes						
Corrosion By Water (Y/N)	Yes						
Camber POS/ZERO/NEG	ZERO						
Cambon Conzencine							

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		Brio	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 2400, Type: MP)
Ponding (Y/N)	Yes			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		9	8	
Icing (Y/N)	No			~300-400mm.
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		8	8	
Culvert Component				Team End
(Pipe # : 2, Span Type: Second	lory Span	Last	NOW	Explanation of Condition
	ary Spari)	_		North barrel.
Direction	OTEEL	E		North barrel.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	X	
Bevel End		9	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		9	8	
(Type: RIP RAP)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		9	8	
Beavers (Y/N)	No			
Downstream End General Ratio	 na	9	8	
	-5			
				re Usage
01		Last	Now	Explanation of Condition
Channel (U/S and D/S) Alignment		6	6	Makes a 90 degree corner on W ditch.
Bank Stability		8	8	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :				
Channel General Rating		6	6	

		Maintanana	Dagammandations				
Inapactor Decommendations	Year		Recommendations	`ammanta	Torget Veer	Est. Cost	Cot 4
Inspector Recommendations	Year	Inspector Comments	Department C	omments	Target Year	ESt. Cost	Cat #
SHOTCRETE REPAIRS PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING	`						
INSTALL CONCRETE/STEEL LINING	7						_
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS	011						
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	low) 88.9/88	.9 Sufficiency Rating (Las	92.2/86.7	Est. Repl. Yr	2049 Maint. Re	eqd. (Y/N)	No
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Total	al O	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Bryan Wai		Previous Assistant's Nan	ne			
Next Inspection Date	09-Sep-2014		Previous Inspection Date	evious Inspection Date 26-Mar-2008			
Inspection Cycle (Default) (months)	39		,				
Comment							