Bridge Culvert Inspection													
Bridge File Nun	e File Number 70434 -1 Bridge Culvert						Form 1	Гуре	CUL1				
Year Built		1992					Lot No			4			
Bridge or Town	Name	CARDS	STON				Inspec	tor Name		Jason Rusu			
Located Over				RIBUTARY TO ROLPH 20.10.1.1, WATERCRS-ST			· ·	Inspector Class BR CLS B Assistant Name					
Located On			C1 10.827										
Water Body Cl.	/Year							ant Class		40 him 2040			
Navigabil. Cl./Y								tion Date		12-Jun-2010 Erin Roberts			
Legal Land Loc		NW SE	C 18 TWP 2 R	3E 23 W4	M			ntry By					
Longitude, Latit		-113:04	1:39, 49:07:36					ntry Date ver Name		18-Aug-2010			
Road Authority		Alberta	Transportation	(AIT)			Review			Garry Roberts 18-Jul-2010			
Contract Main.	Area	CMA25	5						Nama	Lorenz Bohne	rt		
Clear Roadway	/Skew	12 / -20	deg. (LHF)					Review Da		23-Aug-2010	<u> </u>		
AADT/Year		70 / 20	09 (A)					-Up By	ale	23-Aug-2010			
Road Classifica	ation	RLU-20	09G-90				FOIIOW	-ор Бу					
Detour Length	(km)	8											
Bridge Culvert	Inform	ation											
Number of Culv	/erts		1										
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN		-	2400		MP		52		75X25	2.8	ROUND	
Special Feature	es												
Special Feature	es Comi	ment											
					Uti	ilities (L	ocated	at)					
Utility Attachme	ents												
Telephone West ditch							Gas						
Power							Munici	pal					
Others							Proble	m (Y/N)	No				
Remarks Approach Road / Embankment													
				Α	Last	Now		ankmem nation of		tion			
Horizontal Align	nment				8	8	LAPIAI	iation or	Conai	ш			
Vertical Alignment			8	8									
Roadway Width			12.000										
			12.000										
Embankment	4\				8	8							
Sideslope (3.0										
(Height of Cover(m) : 2.7)													
Guardrail (Y/N)			No										
Approach Roa	d / Eml	bankme	ent General Rat	ing	8	8							
						Upstre							
Culvert Compo	onent				Last	Now		nation of	Condi	tion			
			Е		U/S E	AST							
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL										
Headwall			Х	X									
Collar					Х	X							
Wingwalls					Х	Х							
(Shape:)													
Cutoff Wall					Х	Х							

70434 -1 Bridge Culvert

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		8	8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	100									
Scour Protection		N	8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		N	8							
D ()(A))	 									
Beavers (Y/N)	No									
Upstream End General Rating		8	8							
Bridge Culvert Barrel										
Culvert Component	tion Code, MAIN Co		Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca		in (mm	<u>):</u>	, Rise (mm): 2400, Type: MP)						
Barrel Last Accessible Date	12-Jun-2010									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		8	8							
Measured Rise (mm)	2410									
Measured At Ring No.	3									
Sag (mm)	0									
Percent Sag										
Sidewall		5	6	inward						
Measured Span (mm)	2360									
Measured At Ring No.	3									
Deflection (mm)										
Percent Deflection										
Floor		8	N							
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		8	8							
Separation (mm)	0									
Longitudinal Seams		Х	X							
Total No. of Cracked Rings	0									
Total No. of Rings with Two OCracked Seams										
Min. Remaining Steel Between Cracks (mm)	0									
Proper Lap (Y/N)										
Longitudinal Stagger (Y/N)										
Coating			N	corrosion on the floor with some pitting- unable to confirm due to						
Corrosion By Soil (Y/N)	Yes			water and silt cover						
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

		Brid	ige Cu	Ivert Barrel						
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm):	, Rise (mm): 2400, Type: MP)						
Fish Passage Adequacy		X	8							
Baffle			Х							
(Type:)										
Waterway Adequacy		9	9							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating			6							
Downstream End										
Culvert Component		Last	Now	Explanation of Condition						
Direction	ction			D/S WEST						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar		X	X							
Wingwalls			X							
(Shape:)										
Cutoff Wall			X							
Bevel End			8							
Heaving (mm)	0									
Invert Above/Below Stream Bed BELOW										
Above/Below (mm) 300										
Scour Protection		N	8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 400)										
Scour/Erosion		N	8							
Beavers (Y/N) No										
Downstream End General Rating			8							
				re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)			1							
Alignment			9							
Bank Stability			8							
HWM (m below Top of Culvert)				HWM not visible						
Orift (Y/N) No										
Channel Bottom Degrading/Aggrading DEGRADING										
Beavers (Y/N) No										
(Fish Compensation Measure 1 : NONE)										
(Fish Compensation Measure 2 : NONE)										
Channel General Rating		9	9							

			Mainter	nance Recomme	ndations					
Inspector Recommendations	Year	Inspector	Comments		Department Com	nments		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										\perp
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 88.9/6	6.7	Sufficiency Rating (Last/Now) (%)		92.6/82.5	Est. Repl. Yr	2043	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy							,			
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Tim Davies			Previou	s Assistant's Name					
Next Inspection Date	12-Sep-2013			Previou	s Inspection Date	Inspection Date 02-Mar-2007				
Inspection Cycle (Default) (months)	39									
Comment										