Bridge														
Voor Ruitt 1055							Form Type							
Pridao or Town Name STRATHMORE						Lot No.		Ion Davies						
Located Over TPIBLITA							Inspector Name							
3.33.9.13, WA			WATERCRS-ST			Assista	Assistant Name		DIVOLOD					
Located On 1:12 R1 12.820;1:12 L1 12.820				1 12.820			Assistant Class							
Water Body Cl./	Year							Inspection Date		23-Eeb-2012				
Navigabil. Cl./Ye	ear						Data Entry By		Anne Roberts					
Legal Land Loca	ation NI	E SEC 1	C 12 TWP 24 RGE 26 W4M				Data Entry Date		20-Mar-2012					
Longitude, Latitude -113:29			29:48, 51:02:15				Review	Reviewer Name		Garry Roberts				
Road Authority Albert		lberta Tr	erta Transportation (AIT)				Review Date		01-Mar-2012					
Contract Main. Area CMAS		MA30	A30					Reviewer I	Name	Tim Davies				
Clear Roadway/Skew 25.3 /		5.3 /					Dept. Review Date		22-Mar-2012					
AADT/Year	14	4,030 / 2	2010 (A)				Follow-	Follow-Up By						
Road Classificat	tion R/	AD-412.	4-120				_							
Detour Length (km) 1													
Bridge Culvert	Informati	ion												
Number of Culv	erts	1		D : (D : \	-								
Pipe #	Barrel	Sp	ban	Rise (or	Dia.)	a.) Type		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	U/S	54	80	3553		RPP		39.6		152X51		PIPE ARCH		
1	MAIN	54	80	3048		AP		77.3				ARCH		
Special Feature	S	CC	ONC FLOOR											
Special Feature	s Comme	ent												
					1 14	ilitios (l	ocatod	at)						
Litility Attachme	nte				01	inties (i		atj						
Telephone	NORTH													
Power	2 WIRE	REN R/W 4 WIRES R/W					Municir	pal	onoc					
Others	Others 35m FROM C L						Probler	blem (Y/N) No						
Remarks	Fibre opt	tic N R/V	V				1							
				A	oproa	ch Road	d / Emba	ankment						
					Last	Now	Explan	ation of	Condi	ion				
Horizontal Align	ment				7	7	MEDIAN CROSSING & INTERSECTION - 220m E							
Vertical Alignme	ent					7	SAG C	URVE.						
Roadway Width (m) 25.300														
Embankment		i				5	EROSI	ON S/W I	DITCH	1 - ROCK IN				
Sideslope (:1)		3.0			SCOUR APPEARS			RS ST	FABLE-grown in				
(Height of Cover(m) : 7)														
Guardrail (Y/N)			Yes											
Approach Road	Approach Road / Embankment General Ratin		ing	7	7									
						Upstre	am End							
	Culvert Component				Last	Now	Explan	planation of Condition						
Culvert Compo	onent							ation of v	••••••					
Culvert Compo	onent				S				oonan					
Culvert Compo Direction End Treatment (Others, None)	onent (Concrete	, Steel,	CONCRETE		S		-		<u></u>					
Culvert Compo Direction End Treatment Others, None) Headwall	onent (Concrete	, Steel,	CONCRETE		S 5	5	Wide c	rack in SV	N corn	er				
Culvert Compo Direction End Treatment Others, None) Headwall Collar	onent (Concrete	, Steel,	CONCRETE		5 7	5	Wide c	rack in SV	N corn	er				
Culvert Compo Direction End Treatment (Others, None) Headwall Collar Wingwalls	(Concrete	, Steel,	CONCRETE		5 7 X	5 7 X	Wide c	rack in SV	V corn	er				

Alberta Transportation

			Upstre	am End					
Culvert Component			Now	Explanation of Condition					
Cutoff Wall		N	N	Ice covered					
Bevel End			7						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	400								
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 400)									
Scour/Erosion			7						
Beavers (Y/N)	eavers (Y/N) No								
Upstream End General Rating		5	5						
		Bric	dge Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	5480, I	Rise (mm): 3553, Type: RPP)					
Barrel Last Accessible Date	23-Feb-2012			SPCSP ext arch on concrete floor and footing.					
Special Features									
Special Feature			N	(Some spalling on side slopes with 3 wide cracks in floor) 12 Aug-					
(Type : CONC FLOOR)				2010 PR 5 ice covered					
Special Feature									
(Type:)									
Roof		6	6	(Rise 2890 @ inlet to concrete floor. No sag calculation, Measured					
Measured Rise (mm) 2555				with concrete floor for reference) 12-Aug-2010					
Measured At Ring No.	10			Estimate					
Sag (mm)	0			1					
Percent Sag	0								
Sidewall		6	6	Span at inlet 5040 at top of concrete wall. No deflection calculation.					
Measured Span (mm)	5005		-	Concrete footing in span arch.					
Measured At Ring No.	10								
Deflection (mm)	0								
Percent Deflection	0								
Floor	-	N	N	Concrete floor					
Bulge (mm)		14	14						
Measured At Ring No									
Abrasion (Y/N)									
Circumferential Seams		X	7						
Separation (mm)	0		1						
Longitudinal Seams	~	X	6						
Total No. of Cracked Rings	0		U						
Total No. of Rings with Two	0								
Cracked Seams									
Min. Remaining Steel Between Cracks (mm)	0								
Proper Lap (Y/N)	No			-					
Longitudinal Stagger (Y/N)	No								
Coating		X	6	Minor corrosion at East longitudinal seams.					
Corrosion By Soil (Y/N)	Yes								
Corrosion By Water (Y/N)	No								
Camber POS/ZERO/NEG	ZERO								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

	Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	<u>(mm):</u>	5480, F	Rise (mm): 3553, Type: RPP)					
Ponding (Y/N)	No								
Fish Passage Adequacy			6						
Baffle		X	Х						
(Type:)									
Waterway Adequacy		5	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel Extension General Rating			6						
		Brid	dge Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 5480	, Rise (mm): 3048, Type: AP)					
Barrel Last Accessible Date	23-Feb-2012			Main AP down stream					
Special Features									
Special Feature		5	Х						
(Type : CONC FLOOR)									
Special Feature									
(Туре :)									
Roof		6	6						
Measured Rise (mm)	3048			Estimate					
Measured At Ring No.	5								
Sag (mm)	0								
Percent Sag	0								
Sidewall		6	N	(Construction joint spall 75 mm x 200 mm @ Sec. 1) 12-Aug-2010					
Measured Span (mm)	5480			PR 6 Ice covered up to mid sidewall					
Measured At Ring No.	5								
Deflection (mm)									
Percent Deflection									
Floor		6	N	(300-400mm water and silt) 12-Aug-2010					
Bulge (mm)				(Pool development AP/RPP floor transition. Abrasion from water velocity) 12-Aug-2010					
Measured At Ring No.									
Abrasion (Y/N)	Yes								
Circumferential Seams		7	X						
Separation (mm)	0								
Longitudinal Seams		6	Х						
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams	0								
Min. Remaining Steel Between Cracks (mm)	0								
Proper Lap (Y/N)				4					
Longitudinal Stagger (Y/N)									
Coating		6	X						
Corrosion By Soil (Y/N)									
Corrosion By Water (Y/N)									
Camber POS/ZERO/NEG	ZERO								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 5480	, Rise (mm): 3048, Type: AP)				
Ponding (Y/N)	No							
Fish Passage Adequacy			6					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	N	PR 5 (silting D/S East - 0.3 m x 3.5 m x 50 m) 12-Aug-2010				
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating			N	PR 6				
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		7	7					
Collar	Collar							
Wingwalls		5	5	East wingwall seperated 40mm @ top				
(Shape :)				Flaired				
Cutoff Wall		N	N	Buried				
Bevel End	1	Х	Х					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW			Unable to confirm due to ice				
Above/Below (mm)	400							
Scour Protection		6	6	Natural				
(Type : NATURAL)				-				
(Avg. Rock Size(mm) :)								
Scour/Erosion		6	6					
Beavers (Y/N)	No							
Downstream End General Ration	ng	5	5					
		s	Structu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment			7					
Bank Stability			5					
HWM (m below Top of Culvert)								
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading	DEGRADING			Not confirmed				
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	7					

			Maintenance Rec	commend	lations					
Inspector Recommendations		Year	Inspector Comments		Department Comr	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										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)		66.7/66.	7 Sufficiency Rating (Last/N (%)	ow) 🤅	59.6/66.2 Est. Repl. Yr 2026		2026	Maint. Reqd. (Y/N		No
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	Garry F	Roberts		Previous <i>J</i>	s Assistant's Name					
Next Inspection Date	23-Nov-2013			Previous Inspection Date 12-Aug-2010						
Inspection Cycle (Default) (months)	21									
Comment										