						Brida	e Culve	ert Insp	ection						
Bridge File Num	nber	80479	-1 Bridge C	ulver	t			Form Type		CUL1					
Year Built 1985							Lot No	• •		4					
Bridge or Town	Name	BURMI	IS					Inspec	tor Name	,	Calvin Roberts	,			
Located Over								<u> </u>	Inspector Class		BR CLS B				
Pear Built Bridge or Town Name Located Over Located On So7:02 C1 13.8 Water Body CI./Year Navigabil. CI./Year Legal Land Location SW SEC 15 TV Longitude, Latitude Road Authority Contract Main. Area Clear Roadway/Skew AADT/Year ABody Culvert Information Number of Culverts Pipe # Barrel Barrel Span MAIN Special Features Special Features Special Features Comment Required Vert. Clearance Posting (m) Posted Vertical Clearance (Y/N) Posted: Lane NB On Bridge (I Remarks Not required. Utility Attachments Telephone West ditch. Power Others Remarks Horizontal Alignment Vertical Alignment Vertical Alignment Roadway Width (m) Embankment Sideslope (:1) (Height of Cover(m): 1.5) Guardrail (Y/N) No		C1 13.857					Assistant Name								
Pear Built Bridge or Town Name BURMIS Located Over Located On So7:02 C1 13.857 Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Longitude, Latitude Located Main. Area Contract Main. Area Contract Main. Area Clear Roadway/Skew Clear Roadway/Skew Clear Roadway/Skew Road Classification RCU-209-110 Detour Length (km) Bridge Culvert Information Number of Culverts Pipe # Barrel Span MAIN Special Features Special Features Comment Required Vert. Clearance Posting (m) Posted Vertical Clearance (Y/N) Posted: Lane NB On Bridge (m) Remarks Not required. Utility Attachments Telephone West ditch. Power Others Remarks Horizontal Alignment Vertical Alignment Vertical Alignment Roadway Width (m) Embankment Sideslope (_:1) (Height of Cover(m): 1.5)						Assistant Class									
								Inspec	tion Date		10-Nov-2012				
Legal Land Loc	ation	SW SE	C 15 TWP	6 RG	E 2 W5N	Л		Data E	ntry By		Lauren Korte				
		-114:11	1:40, 49:28:	02					ntry Date)	13-Dec-2012				
Road Authority Alberta Transportation Contract Main. Area CMA26 Clear Roadway/Skew 10 / AADT/Year 600 / 2011 (A) Road Classification RCU-209-110 Detour Length (km) 1 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Span 1 MAIN - Special Features Special Features Comment					(AIT)				ver Name		Garry Roberts				
					,			Review Date		14-Nov-2012					
Clear Roadway	/Skew	10 /						Dept. F	Reviewer	Name	Tim Davies				
		600 / 2	011 (A)					Dept. F	Review D	ate	27-Dec-2012				
Road Classifica	ition	RCU-2	09-110					Follow	-Up By						
Detour Length ((km)	1													
		ation													
Number of Culv	erts		1												
Pipe #	Barrel		Span		Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-		2200		MP	25.6			68X13		ROUND		
Special Feature	s														
Special Feature	s Comn	nent													
						D -	ation of the	-f							
							sung II	nformat	ion						
						ance (Y/NI)	ı	ane SB	0	n Bridge (m)	In Advan	ce (Y/N)		
										in Bridge (III)	minavan	00 (1714)			
Romano	110110	quirou.				Liti	ilities (l	ocated	at)						
Utility Attachme	ents					J.,	iiii Co (L	<u>-ocatice</u>	ac)						
		ditch.						Gas		Cross	sing 30m North.				
	11001							Munici	pal						
									m (Y/N)	No					
									(' '						
					A	pproac	ch Road	d / Emb	ankment						
						Last	Now		nation of		tion				
Horizontal Align	ment					6	6	In a cu							
Vertical Alignme	ent					6	6		ises to th on 774 10						
Roadway Width (m) 10.000					Gariotic		<u> </u>	u							
Embankment						7	7								
	:1)		3.0				_								
		1.5)													
Approach Roa	d / Emb	ankme	ent General	Rati	ng	6	6								
							Upstre	am End							
Culvert Compo	nent					Last	Now		nation of	Condi	tion				
Direction								East.							
End Treatment Others, None)	(Concre	ete, Ste	el, STEEL												
Others, None) Headwall						N	X								

Collega		am End			
Vingwalls	Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall	Collar		Х	X	
Devote End	Wingwalls			Х	
Bevel End	(Shape:)				
Heaving (mm)	Cutoff Wall			X	
Invert Above/Below (firm)	Bevel End		7	7	
Above/Below (mm) 0	Heaving (mm)	0			
Scour Protection					
Crype :	Above/Below (mm)	0			
CAVG. Rock Size(mm):)				Х	
Scour/Erosion	(Type:)				
Deavers (Y/N)	(Avg. Rock Size(mm):)				
Single Culvert Component	Scour/Erosion		Х	X	
Bridge Culvert Barrel Last Now Explanation of Condition	Beavers (Y/N)	No			
Last Now Explanation of Condition	Upstream End General Rating		7	7	
Last Now Explanation of Condition			Brid	dae Cu	Ivert Barrel
Pripe # : 1, Primary Span, Location Code: MAIN, Span (mm):	Culvert Component				
Barrel Last Accessible Date 10-Nov-2012		tion Code: MAIN. Spa			
Special Feature Crype : Cr				<i></i>	
Type : Special Feature	Special Features				
Special Feature CType: Roof					
Roof	(Type:)				
Roof	Special Feature				
Measured Rise (mm) 2190 Measured At Ring No. 2 Sag (mm) 10 Percent Sag 8 Sidewall 8 Measured Span (mm) 2210 Measured At Ring No. 2 Deflection (mm) 10 Percent Deflection 0 Floor N N Bulge (mm) N Measured At Ring No. Abrasion (Y/N) No Circumferential Seams 5 5 3 Seams separated with 110mm gaps. Separation (mm) 110 110 Longitudinal Seams X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) 0 Between Cracks (mm) Proper Lap (Y/N) 0 Cracked Seams	(Type:)				
Measured At Ring No. 2	Roof		8	8	Est.
Sag (mm) 10 Percent Sag 8 Sidewall 8 8 Measured Span (mm) 2210 2 Deflection (mm) 10 10 Percent Deflection 0 Covered with dirt- 200mm. Bulge (mm) No Covered with dirt- 200mm. Measured At Ring No. Abrasion (Y/N) No Circumferential Seams 5 5 3 Seams separated with 110mm gaps. Separation (mm) 110 110 Longitudinal Seams X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) 0 O Proper Lap (Y/N) 0 O	Measured Rise (mm)	2190			
Percent Sag Sidewall 8 8 8	Measured At Ring No.	2			
Sidewall	Sag (mm)	10			
Measured Span (mm) 2210 Measured At Ring No. 2 Deflection (mm) 10 Percent Deflection 0 Floor N N Bulge (mm) Covered with dirt- 200mm. Measured At Ring No. Abrasion (Y/N) Abrasion (Y/N) No Circumferential Seams 5 5 Separation (mm) 110 Longitudinal Seams X X 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) 0	Percent Sag				
Measured At Ring No. 2 Deflection (mm) 10 Percent Deflection 0 Floor N N N Bulge (mm) Measured At Ring No. Abrasion (Y/N) No Circumferential Seams 5 5 5 Separation (mm) 110 Longitudinal Seams X X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Sidewall		8	8	
Deflection (mm) 10 Percent Deflection 0 Floor N N N Bulge (mm) Measured At Ring No. Abrasion (Y/N) No Circumferential Seams 5 5 5 Separation (mm) 110 Longitudinal Seams X X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured Span (mm)	2210			
Percent Deflection 0	Measured At Ring No.	2			
Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N) Covered with dirt- 200mm. Covered with dirt- 200mm. A No Covered with dirt- 200mm.	Deflection (mm)	10			
Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Percent Deflection	0			
Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams X Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)			N	N	Covered with dirt- 200mm.
Abrasion (Y/N) No Circumferential Seams 5 5 3 Seams separated with 110mm gaps. Separation (mm) 110 Longitudinal Seams X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Bulge (mm)				
Circumferential Seams 5 5 3 Seams separated with 110mm gaps. Separation (mm) 110 Longitudinal Seams X X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured At Ring No.				
Separation (mm) Longitudinal Seams X X Total No. of Cracked Rings O Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Abrasion (Y/N)	No			
Longitudinal Seams X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Circumferential Seams		5	5	3 Seams separated with 110mm gaps.
Longitudinal Seams X X 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)	Separation (mm)	110			
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)			Х	Х	
Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)		0			
Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Total No. of Rings with Two				
Proper Lap (Y/N)	Min. Remaining Steel	0			
	` '				
Londitudinal Otaquol (1/1V)	Longitudinal Stagger (Y/N)				

		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	n):	, Rise (mm): 2200, Type: MP)
Coating			7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)			_	
Waterway Adequacy		X	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	8	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction				West.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			Х	
Collar		Х	Х	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	7	Bottom of invert-ripped-minor.
Heaving (mm)	100		'	Section of invert ripped minor.
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Scour Protection		Х	Х	
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion		Х	X	
Beavers (Y/N)	No			
Downstream End General Rating		7	7	
			Structu	re Usage
			Now	Explanation of Condition
Grade Separation				
Road Alignment		Х	Х	Cattlepass.
Roadway Surface		7	7	
(Type:)				
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Туре				
• 1				2

Structure Usage										
		Last	Now	Explanation of Condition						
Lighting		X	X							
Barrel Leakage (Y/N) No										
Drainage		7	7							
Structure In Use (Y/N) Yes										
Grade Separation General Rating			7							

			Maintena	ance Recommer	dations						
Inspector Recommendations	Year Inspector Comments				Department Com	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING	i										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	OFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No. (%)	ow) 88.9/8	3.9	Sufficiency Rating (Last/Now) (%)		88.9/88.9		. Repl. Yr	2030 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date				Estimated Tota	I 0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Garry Roberts			s Assistant's Name							
Next Inspection Date	10-Feb-2016			Previou	s Inspection Date		12-Sep-2009				
Inspection Cycle (Default) (months)	39										
Comment											