					Bridg	e Culve	ert Inspe	ection					
				Bridg	e Cuive			CUL1					
Bridge File Number 70284 -1 Bridge Culvert Year Built 1973						Form Type Lot No.		4					
Bridge or Town Name LONGVIEW								-	· ·				
				D CD			Inspector Name Inspector Class		BR CLS A	Garry Roberts			
								DR CLS A					
Located On 22:10 C1 16.143						Assistant Name							
Water Body Cl./Year						Assistant Class Inspection Date							
Navigabil. Cl./Year						· ·		06-Jun-2012					
Legal Land Location SW SEC 16 TWP 16 RGE 2 W5I				М		Data Entry By			Kelsey Roberts				
Longitude, Latit	ude						Data Entry Date		05-Jul-2012				
Road Authority		Alberta -	Transportation	n (AIT)			Review	er Name	Tom Carey	·			
Contract Main. Area CMA27							Review Date		18-Jun-2012				
Clear Roadway/Skew 10.5 /						Dept. R	Reviewer Nam	Tim Davies					
AADT/Year		1,140 / 2	2011 (A)		De		Dept. R	Review Date	12-Jul-2012				
Road Classification RAU-209-1			9-110				Follow-Up By						
Detour Length (	(km)	40											
Bridge Culvert	Inform	ation											
Number of Culy	erts/		1										
Pipe #	Barrel		Span Rise (or		Dia.)	Type		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	- 1980		СР			29.1			ROUND			
Special Feature	es												
					Ро	sting Ir	nformati	on					
Required Vert.	Clearan	ce Postir	ng (m)										
Posted Vertical	Clearar	nce (Y/N)	)										
Posted: Lane	NB	On B	Bridge (m)	In Adv	ance (	Y/N)	La	ane SB	On Bridge (m)	In Advar	nce (Y/N)		
Remarks	Not re		3 ( )			. ,			3-(-)				
					Uti	lities (I	ocated	at)					
Utility Attachme	ents							<i>,</i>					
Telephone		ditch					Gas						
Power	West ditch						Municip	nal					
Others							Probler						
Remarks							1 TODICI	11 (1/14)  140					
Remarks				Δι	nroac	h Road	l / Emba	ankment					
				A	Last	Now		Explanation of Condition					
Horizontal Aligr	ment				7	7	LAPIAII	ation of con	uition				
Vertical Alignm					7	7	1						
Roadway Width			10.500		,								
Trodaway Widii	- (''')		10.000										
Embankment					7	7							
Sideslope (:1)		3.0											
(Height of Co	ver(m):	0.4)											
Guardrail (Y/N)		Yes											
Approach Roa	d / Emb	ankmen	nt General Ra	ating	7	7							
						Upstre	am End						
Culvert Compo	onent					Now		ation of Con	dition				
Direction					Е		East	· · · · · · · · · · · · · · · · · · ·					
End Treatment Others, None)	(Concre	ete, Steel	I, NONE				1200mi	1200mm drainage culvert located 7m S and 54m of concr			concrete pipe		
Headwall					Х	Х							

Culvert Component         Last Now Wingwalls         K         X         X           (Shape: )         Cutoff Wall         X         X           Bevel End         X         X         X           Heaving (mm)         0         0         0           Invert Above/Below Stream Bed BELOW         Above/Below (mm)         150         0           Scour Protection         7         7         7           (Type: NATURAL)         (Avg. Rock Size(mm): )         Scour/Erosion         7         7           Beavers (Y/N)         No         No         Very stream End General Rating         7         7           Upstream End General Rating         7         7         7         Finding Culvert Barrel           Culvert Component         Last Now Explanation of Condition         (Pipe #: 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1980, Type: CP)           Barrel Last Accessible Date         06-Jun-2012         Special Features           Special Feature         Coulvert Component         Coulvert Component <td< th=""><th></th><th></th><th></th><th>Upstre</th><th>am End</th></td<>				Upstre	am End
Wingwalls	Culvert Component				
Cutoff Wall         X         X           Bevel End         X         X           Heaving (mm)         0         0           Invert Above/Below Stream Bed         BELOW         Above/Below (mm)           Above/Below (mm)         150         5           Scour Protection         7         7           (Avg. Rock Size(mm):)         5         5           Scour/Erosion         7         7           Beavers (Y/N)         No         No           Upstream End General Rating         7         7           Bridge Culvert Barrel           Last         Now         Explanation of Condition           (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm):         , Rise (mm): 1980, Type: CP)           Barrel Last Accessible Date         06-Jun-2012           Special Features         Special Feature           Special Feature         (Type:)			Х	Х	
Bevel End	(Shape: )				
Heaving (mm)	Cutoff Wall		Х	Х	
Invert Above/Below Stream Bed Above/Below (mm) Above/Abov			Х	Х	
Above/Below (mm)   150	_ · · · /	-			
Scour Protection   7   7		BELOW			
(Type: NATURAL) (Avg. Rock Size(mm):)  Scour/Erosion 7 7  Beavers (Y/N) No  Upstream End General Rating 7 7  Bridge Culvert Barrel  Culvert Component Last Now Explanation of Condition (Pipe #: 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1980, Type: CP)  Barrel Last Accessible Date 06-Jun-2012  Special Features Special Feature (Type:)	Above/Below (mm)	150			
(Avg. Rock Size(mm):)  Scour/Erosion 7 7  Beavers (Y/N) No  Upstream End General Rating 7 7  Bridge Culvert Barrel  Culvert Component Last Now Explanation of Condition  (Pipe #: 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1980, Type: CP)  Barrel Last Accessible Date 06-Jun-2012  Special Features  Special Feature  (Type:)	Scour Protection		7	7	
Scour/Erosion 7 7  Beavers (Y/N) No  Upstream End General Rating 7 7  Bridge Culvert Barrel  Culvert Component Last Now Explanation of Condition  (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1980, Type: CP)  Barrel Last Accessible Date 06-Jun-2012  Special Features  Special Feature  (Type : )	(Type: NATURAL)				
Beavers (Y/N)  Upstream End General Rating  7  T  Bridge Culvert Barrel  Culvert Component  (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1980, Type: CP)  Barrel Last Accessible Date  O6-Jun-2012  Special Features  Special Feature  (Type : )	(Avg. Rock Size(mm):)				
Upstream End General Rating  Bridge Culvert Barrel  Culvert Component  (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm):  Barrel Last Accessible Date  O6-Jun-2012  Special Features  Special Feature  (Type : )	Scour/Erosion		7	7	
Bridge Culvert Barrel  Culvert Component Last Now Explanation of Condition  (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1980, Type: CP)  Barrel Last Accessible Date 06-Jun-2012  Special Features  Special Feature (Type : )	Beavers (Y/N)	No			
Culvert Component     Last     Now     Explanation of Condition       (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm):     , Rise (mm): 1980, Type: CP)       Barrel Last Accessible Date     06-Jun-2012       Special Features     Special Feature       (Type : )	Upstream End General Rating		7	7	
Culvert Component     Last     Now     Explanation of Condition       (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm):     , Rise (mm): 1980, Type: CP)       Barrel Last Accessible Date     06-Jun-2012       Special Features     Special Feature       (Type : )			Brid	dge Cu	lvert Barrel
Barrel Last Accessible Date 06-Jun-2012  Special Features  Special Feature (Type:)	Culvert Component				
Special Features Special Feature (Type:)	(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1980, Type: CP)
Special Feature (Type:)	Barrel Last Accessible Date	06-Jun-2012			
Special Feature (Type:)	Special Features				
(Type:)					
	Special Feature				
(Type:)					
Roof 8 8			8	8	
Measured Rise (mm)					
Measured At Ring No.	· · ·				
Sag (mm) 0		0			
Percent Sag					
Sidewall 7 7 Horizontal cracks in sidewalls - minor.			7	7	Horizontal cracks in sidewalls - minor.
Measured Span (mm)  Vertical cracks at East end section - minor.					
Measured At Ring No.					
Deflection (mm) 0		0			
Percent Deflection	·				
Floor 7 7			7	7	
Bulge (mm)					
Measured At Ring No.					
Abrasion (Y/N) No		No			
Circumferential Seams 7 5 Minor dirt infiltration at 2 seams.	Circumferential Seams		7	5	Minor dirt infiltration at 2 seams.
Separation (mm) 50	Separation (mm)	50			
Longitudinal Seams X X			Х	X	
Total No. of Cracked Rings					
Total No. of Rings with Two Cracked Seams	Total No. of Rings with Two				
Min. Remaining Steel Between Cracks (mm)	Min. Remaining Steel				
Proper Lap (Y/N)	` ,				
Longitudinal Stagger (Y/N)					
Coating X X			Y	Y	
Corrosion By Soil (Y/N)					
Corrosion By Water (Y/N)					

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span			<b>)</b> :	, Rise (mm): 1980, Type: CP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy			Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		X	X	1200mm CSP takes drainage.
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
		D	ownst	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction	I	W		West
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	Х	
Collar		X	X	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		Х	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		5	5	
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion		5	5	Minor scour- approx. 2x2m scour hole at D/S
Beavers (Y/N)	No			
Downstream End General Ratio	ng	5	5	
		S	Structu	re Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		X	X	Sloughs on both sides of culvert.
Roadway Surface		6	6	
(Type : )				
Icing (Y/N)	No			
Traffic Safety Features		Х	Х	
Туре				
Lighting		Х	Х	
Barrel Leakage (Y/N)	No			

Structure Usage									
L		Last	Now	Explanation of Condition					
Drainage		7	5	Approx. 200mm water in pipe with no where to drain to.					
Structure In Use (Y/N) Yes									
Grade Separation General Rating		7	5						

70284 -1 Bridge Culvert

			Maintena	nce Recommen	dations					
Inspector Recommendations Year Inspector Comments					Department Com	ments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS					·					
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 77.8/7	7.8	Sufficiency Rating (%)	(Last/Now)	79.8/78.3	Est. Repl. Yr	2036	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	Garry Roberts	}		Previous	Assistant's Name					
Next Inspection Date	06-Mar-2014			Previous	Inspection Date	08-Oct-2010				
Inspection Cycle (Default) (months)	21									
Comment										