Bridge Culvert Inspection													
Bridge File Number 0656		6561 -1 Bridge Culvert					уре		CUL1				
Year Built 1994		994				Lot No.			3				
Bridge or Town Name TWIN		IN BUTTE				Inspector Name			Jon Davies				
Located Over DUN		DUNGARVAN CREEK, 2.12.22.5.16,				Inspector Class			BR CLS B				
Located On 6:04		04 C1 11 117					nt Name						
Water Body CL/	Year					Assistant Class							
Navigabil, Cl./Ye	ear					Inspect	ion Date		30-Oct-2011				
Legal Land Loca	ation SW S	SEC 21 TWP 3 R	GE 29 W4	1M		Data E	Data Entry By Alyssa Boynton						
Longitude, Latitu	ude -113	51:30. 49:13:07		Data Entry Date			28-Nov-2011						
Road Authority	Albe	ta Transportatior			Review Date			Garry Roberts					
Contract Main. A	Area CMA	A26						Namo					
Clear Roadway/	Skew 11.5	1					Dept. Reviewer Name   Tim Davies			2011			
AADT/Year	1,01	) / 2010 (A)				Eollow-Up By		01-Dec-2011					
Road Classificat	tion RAU	211.8-110				гоном-ор ву							
Detour Length (I	km) 30												
Bridge Culvert Information													
Number of Culve	erts	1	1						1	1			
Pipe #	Barrel	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 [	MAIN	7000	4500		BPR		34.9				RECTANGLE		
Special Features	S												
Special Features Comment													
				11+	ilitias /l	ocated	at)						
Utility Attachmer	nts			U.		looutou	aty						
Telephone In West and East r/w. Gas													
Power	1 line E fen	celine 15m from	c/I.			Municipal							
Others					Problem (Y/N) No								
Remarks													
			A	pproa	ch Road	d / Emba	ankment						
					Now	Explanation of Condition							
Horizontal Alignment				7	7	In gradual sag curve.							
Vertical Alignme			6	6									
Roadway Width	10.000												
Embankment				7	7								
Sideslope (:	1)	3.5											
(Height of Cover(m) : 1)													
Guardrail (Y/N)		Yes			Box beam rail.								
Approach Road	d / Embankr	nent General Ra	ting	7	6								
					Upstre	am End							
Culvert Component Last Now Explanation of Condition													
Direction			W		West								
End Treatment (Concrete, Steel, CONCRETE Others, None)													
Headwall			9	8									
Collar			X	Х									
Wingwalls			X	Х									
(Shape : )				_									
Cutoff Wall			N	N	Buried								

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		8	4	Scour protection is generally in almost new condition. Incomplete toe
(Type : <b>RIP RAP</b> )				of NW bevel.
(Avg. Rock Size(mm) : 600)				
Scour/Erosion			4	1.2m deep x 3m long x 2m deep scour hole at NW bevel.
Beavers (Y/N)	No			
Upstream End General Rating			4	
		Bric	lge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm	): 7000	), Rise (mm): 4500, Type: BPR)
Barrel Last Accessible Date	30-Oct-2011			
Special Features				
Special Feature				Safety rail at East D/S headwall missing 1 post and 5m of rail. Safety
(Type:)				rail at D/S and U/S headwall.
Special Feature				
(Type:)				
Roof		8	8	Roof has short hairline transverse cracks.
Measured Rise (mm)	4500			Estimate.
Measured At Ring No.	1			
Sag (mm)	0			
Percent Sag	0			
Sidewall	-	8	8	Sidewalls have narrow vertical cracks in mid section
Measured Span (mm)	7000	0		
Measured At Ring No	1			The North c/l crack has leaching
Deflection (mm)	0	_		
Percent Deflection	0	_		-
Floor	0	N	N	2m rock covered. Flow is against south s/w
Bulge (mm)	0			
Measured At Ring No	1			-
Abrasion (V/N)	No			-
Circumforential Seema		v	V	
Circumierential Seams	0	X	X	
	U	V	V	
Total No. of Crooked Direct	0	X	X	
Total No. of Rings with Two	0			
Min. Remaining Steel	0			
Proper Les (V/N)				-
				-
Coordinar Stagger (Y/N)				
		X	X	Pigmented sealer applied to D/S headwall & bevel.
Corrosion By Soil (Y/N)				-
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Location Code: MAIN, Spanner			): 7000	, Rise (mm): 4500, Type: BPR)						
Fish Passage Adequacy		7	7							
Baffle			Х							
(Type : )										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating			8							
Downstream End										
Culvert Component		Last	Now	Explanation of Condition						
Direction	1	E								
End Treatment (Concrete, Steel, Others, None)	CONCRETE									
Headwall		8	8	Narrow cracks with staining.						
Collar			X							
Wingwalls		Х	X	-						
(Shape : )			1							
Cutoff Wall		N	N							
Bevel End		8	8	Narrow cracks.						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	500									
Scour Protection		8	8							
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : 600)			1							
Scour/Erosion			8							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	8	8							
		S	structur	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			5	Curves both U/S & D/S. U/S flow hits NW bevel.						
Bank Stability			7							
HWM (m below Top of Culvert)	f Culvert) 1.5			No HWM visible.						
Drift (Y/N)	No									
Channel Bottom AGGRADING Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 : NONE)										
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			5							

Maintenance Recommendations											
Inspector Recommendations		Year	Inspecto	or Comments		Department Com	nments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	DFF										
REPAIR SEAMS											
OTHER ACTION		2012	Install 1 entirely a	post and 5m headwall rail- c as not really req.	or remove						
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		88.9/88.	9	Sufficiency Rating (Last/ (%)	Now)	82.0/76.8	Est. Repl. Yr 2055		Maint. Red	qd. (Y/N)	Yes
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	s Assistant's Name					
Next Inspection Date 30		30-Jul-2013 F				Inspection Date					
Inspection Cycle (Default) (months) 21											
Comment											