Bridge Culvert Inspection													
Bridge File Number	06692 -1	Bridge Culve	rt	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Form T		CUL1					
Year Built	1975					Lot No.		1					
Bridge or Town Nar	ne SEVEN	SEVEN PERSON					or Name	Tom Carey					
Located Over		HAM COULEE	, 2.7.1.5,			Inspector Class		BR CLS A					
Located On	3:16 C1	2.422				Assistant Name Assistant Class							
Water Body Cl./Yea	ar						ion Date	11-Nov-2011					
Navigabil. Cl./Year						· ·			n				
Legal Land Location	n SE SEC	1 TWP 11 RG	E 8 W4M					Alyssa Boynton					
Longitude, Latitude						Reviewer Name		01-Dec-2011					
Road Authority Alberta Transportation (AIT)						Review Date		Garry Roberts 21-Nov-2011					
Contract Main. Area													
Clear Roadway/Ske	ew 13/						Review Date						
AADT/Year	3,430 / 2	010 (A)				· · ·		06-Dec-2011					
Road Classification	RAU-213	3-130				Follow-Up By							
Detour Length (km)	5												
Bridge Culvert Information													
Number of Culverts 1													
Pipe # Barr	rel S	Span	Rise (or	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape			
1 MAI	IN 2	2316	2560		SPE		46.3	152X51	2.8,2.8,2.8	ELLIPSE			
Special Features Special Features Co													
				Uti	ilities (L	ocated	at)						
Utility Attachments													
Telephone So	outh ditch					Gas							
Power 3 li	ine @ N fenc	e 20 m from c	.I			Municipal							
Others Fit	pre-optics in I	optics in N R/W					Problem (Y/N) No						
Remarks													
			Ap	oproa			ankment						
				Last 9		· ·	ation of Condi						
Horizontal Alignment					9	Gradual sag curve, no passing on both hills.							
Vertical Alignment			6	6	Minor erosion at north-WELL GRASSED.								
Roadway Width (m) 13.000													
Embankment				7	7								
Sideslope (:1) 3.0						_							
(Height of Cover(r	m) : <b>4.6</b> )												
Guardrail (Y/N)		No											
Approach Road / E	Embankmen	t General Rat	ing	6	6								
						am End							
Culvert Component			Last	Now		Explanation of Condition							
Direction End Treatment (Concrete, Steel, STEEL			N		North e	North end.							
Others, None) Headwall				X	X								
Collar				X	X								
Wingwalls				X	X								
(Shape : )					~								
Cutoff Wall				X	X								

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	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) 400			1					
Scour Protection		8	8	some 800mm diameter rock at West				
(Type : <b>RIP RAP</b> )								
(Avg. Rock Size(mm) : <b>400</b> )			1					
Scour/Erosion			8					
Beavers (Y/N)	No							
Upstream End General Rating			8					
		Bric	d <u>ge Cu</u>	Ivert Barrel				
Culvert Component		1		Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	): 2316	6, Rise (mm): 2560, Type: SPE)				
Barrel Last Accessible Date	13-Feb-2001			Viewed from both ends- shape good				
Special Features								
Special Feature				Average 0.9m of water and silt in pipe				
(Туре : )								
Special Feature								
(Туре : )								
Roof		N	N					
Measured Rise (mm)	2500							
Measured At Ring No.	6							
Sag (mm)	60							
Percent Sag	2							
Sidewall		N	N					
Measured Span (mm)	2385							
Measured At Ring No.	6							
Deflection (mm)	69							
Percent Deflection	3							
Floor		N	N					
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)								
Circumferential Seams		N	N					
Separation (mm)	0							
Longitudinal Seams		N	N	[(Ring #3, 5, 7 & 9 cracked at east				
Total No. of Cracked Rings	4			longit sidewall seam. 85 mm remaining steel at ring #3. No change				
Total No. of Rings with Two Cracked Seams	0			from last inspection). 2001/02/13]				
Min. Remaining Steel Between Cracks (mm)	85							
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	Yes							
Coating		N	N	(Alkali stains at bolt holes.) 2001/02/13				
Corrosion By Soil (Y/N)	Yes		14					
Corrosion By Water (Y/N)								
Camber POS/ZERO/NEG	NEG			[Minor superficial corrosion at side-walls]				
Ponding (Y/N)	No							

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Bridge Inspection & Maintenance System (Web 2005)

		Brid	dae Cu	lvert Barrel							
Culvert Component		1		Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa										
Fish Passage Adequacy		7	7								
Baffle			X								
(Type : )			~								
Waterway Adequacy		7	7								
Icing (Y/N)	No	-	,								
Silting (Y/N)	Yes										
Drift (Y/N) No											
Barrel General Rating		3	3	GR carried forward							
Barrer General Rating			Ů								
	Downstream End										
Culvert Component			Now	Explanation of Condition							
Direction		S		South end.							
End Treatment (Concrete, Steel, Others, None)	STEEL										
Headwall	·	Х	X								
Collar		X	X								
Wingwalls		X	X								
(Shape: )											
Cutoff Wall			X								
Bevel End		7	7								
Heaving (mm) 0											
Invert Above/Below Stream Bed BELOW											
Above/Below (mm)	Above/Below (mm) 400										
Scour Protection		7	7	Mostly ingrown							
(Type : <b>RIP RAP</b> )											
(Avg. Rock Size(mm) : 300)											
Scour/Erosion		7	7								
Beavers (Y/N)	No										
Downstream End General Ratir	ng	7	7								
		6	tructu	re Usage							
		1	1	Explanation of Condition							
Channel (U/S and D/S)		Lust									
Alignment		5	5	Dugout 60 m north. 45 DEG. BEND @ D/S							
Bank Stability		7	7								
HWM (m below Top of Culvert) 1.2											
Drift (Y/N)	No										
Channel Bottom AGGRADING Degrading/Aggrading											
Beavers (Y/N) No											
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·										
Channel General Rating			5								

Maintenance Recommendations												
Inspector Recommendations		Year	Inspecto	r Comments		Department Comments					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		2012	Consider inspecter	r dewater and insp hasn't d in several cycles	been							
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		33.3/33.3	3/33.3 Sufficiency Rating (Las (%)		Now)	52.5/52.5 Es		t. Repl. Yr 2020		Maint. Red	d. (Y/N)	No
Special Comments for Next Inspection												
Maintenance Reviewed By						Date			E	stimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Tom Ca	Tom Carey				evious Assistant's Name						
Next Inspection Date 11		11-Aug-2013			Previous	vious Inspection Date 25-Jun-2010						
Inspection Cycle (Default) (months) 21												
Comment												