								_						
					ridg	e Culve				0.11.4				
Bridge File Number 71715 -1 Bridge Culvert				rt			Form Type			CUL1				
Year Built 1992 Bridge or Town Name HARDISTY							Lot No.			4				
	Name							tor Name	!	Owen Salava				
Located Over		WATER	MATEDODS ST					Inspector Class Assistant Name		BR CLS A				
Located On		13:16 C	1 36.229				Assistant Name Assistant Class							
Water Body Cl./Year							Inspection Date			28-Jun-2012				
Navigabil. Cl./Year							Data Entry By		Marcia Chavez					
		C 3 TWP 43 RGE 10 W4M				Data Entry Date		15-Jul-2012						
Longitude, Latitude -111:22		1.22.33 52.40.32					ver Name		John O'Brien					
Road Authority Alberta		erta Transportation (AIT)					v Date	<u>'</u>	05-Jul-2012					
Contract Main. Area CMA16		5					Dept. Reviewer Name							
Clear Roadway/Skew 11 /							Dept. Review Date		19-Jul-2012					
AADT/Year		1,730 /	2011 (A)						13-JUI-ZU1Z					
Road Classifica	ation	RAU-2	NU-210-110					Follow-Up By						
Detour Length	(km)	2												
Bridge Culver	t Inform	ation												
Number of Culv	verts		1											
Pipe #	Barrel		Span	Rise (or Di	a.)	Туре	Length		Corr. Profile	Pl./Slab Thickness	Shape			
1	MAIN		-	5540		SP		34.7		152X51	4.0	ROUND		
Special Feature	es						10.11				·			
Special Feature	es Comi	ment												
					114	ilities (L	ocated	at)						
Utility Attachme	ante				Οŭ	iliues (L	-ocatec	at)						
Telephone		rth r/w.					Gas							
Power 2 wires 20 m North of c/l & 40m West of					rulve	≏rt	Munici	nal						
crossing roadway.						Problem (Y/N) No			No					
Others														
Remarks				Ann	road	ch Pose	l / Emb	ankment						
					ast	Now		nation of		tion				
Horizontal Aligi	nment				7	7				West & 75m to	East.			
Vertical Alignment				8	8	1								
		11.000												
Embankment					5	5								
Sideslope (_:1)		2.0]							
(Height of Co	ver(m) :	0.4)	·]							
Guardrail (Y/N)		,	Yes											
Approach Roa	d / Eml	bankme	nt General Rat	ing	7	7								
						Upstre	am End	ı						
Culvert Comp	onent			1:	ast		T .	nation of	Condi	tion				
Direction		S		1.1011	_xpia.		Comu							
End Treatment	(Concre	ete, Stee	el, CONCRETE											
Headwall	Others, None) Headwall				6	6	Poor c	asting at	SW co	rner, not flush				
Collar					8	8								
Wingwalls	Wiscouple				X	X								
(Shape:)					,		1							
Cutoff Wall					N	N	Buried							
Julian Hun						.,		-						

71715 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	1500			
Scour Protection	1300	7	7	
		/	/	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 300)			Ι.	
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
		Bri	□ d <u>ge Cu</u>	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S			, Rise (mm): 5540, Type: SP)
Barrel Last Accessible Date	24-Jan-2009		•	Viewed from ends, 2.7m deep water, shape looks good.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)		I		
Roof		7	7	Appears good.
Measured Rise (mm)		,		Appears good.
Measured At Ring No.				
Sag (mm)				
Percent Sag			Ι_	
Sidewall	 	7	7	
Measured Span (mm)	5565			
Measured At Ring No.	4			
Deflection (mm)	25			
Percent Deflection	1			
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				
Longitudinal Seams		N	N	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				1N Stagger
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		N	N	(Corrosion and alkaline stains at ring 6 east sidewall. 24Jan2009).
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

71715 -1 Bridge Culvert

		Bric	lvert Barrel					
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 5540, Type: SP)				
Fish Passage Adequacy		7	7					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		8	8	High normal water level.				
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N) No								
Barrel General Rating			N	GR was 7 from 24Jan2009.				
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		8	8					
Collar		8	8					
Wingwalls			X					
(Shape:)								
Cutoff Wall			N	Buried.				
Bevel End		8	8					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	1500							
Scour Protection		7	7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Downstream End General Ratin	ng	7	7					
		s	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		8	8	Meanders through large flood plain.				
Bank Stability		7	7					
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading				Unknown.				
Beavers (Y/N) No								
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		8	8					

		Maintenance R	ecommen	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	nents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 55.6/55	.6 Sufficiency Rating (Laste	/Now)	68.5/68.6	Est. Repl. Yr	2045	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy								,	
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Owen Salava		Previous	Assistant's Name					
Next Inspection Date	28-Mar-2014		Inspection Date						
Inspection Cycle (Default) (months)	21				31-Aug-2010				
Comment									