						Brida	e Culv	ert Insp	ection					
Bridge File Nun	nber	74371 -	1 Bridge C	Culver	t			Form			CUL1			
Year Built 1954						Lot No.			3					
Bridge or Town Name HARDISTY						Inspec	tor Name		Owen Salava					
Located Over TRAIL-ANIMAL, OVER SP						<u> </u>	tor Class		BR CLS A					
Located On 13:16 C1 39.802							ant Name							
Water Body Cl.	/Year							Assist	ant Class					
Navigabil. Cl./Y	'ear							Inspection Date			28-Jun-2012			
Legal Land Loc	ation	NE SEC	35 TWP	42 RC	3E 10 W	4M		Data E	ntry By		Marcia Chave:	Z		
Longitude, Latit	tude -	-111:19	:43, 52:39	:51				Data Entry Date			15-Jul-2012			
Road Authority						Reviewer Name			John O'Brien					
Contract Main.							w Date		05-Jul-2012	05-Jul-2012				
Clear Roadway/Skew 11.2 /									Reviewer N	Name	Andrew Smikle	es		
AADT/Year		1,730 / 2	2011 (A)					Dept.	Dept. Review Date		19-Jul-2012			
Road Classifica	ation I	RAU-21	1.8-110					Follow	Follow-Up By					
Detour Length	(km)	3												
Bridge Culvert	Informa	ation												
Number of Culv	/erts		1											
Pipe #	Barrel		Span	Span Rise (or		Dia.)	Туре		Length		Corr. Profile	Corr. Profile Pl./Slab Thickness		
1	MAIN		2000		2000		BP		17.7				RECTANGLE	
Special Feature	es													
Special Feature	es Comm	nent												
						Po	sting I	nformat	ion					
Required Vert.	Clearanc	re Posti	na (m)			- 10	Sully I	IIIOIIIIai	IOH					
Posted Vertical				No										
Posted: Lane			ridge (m)	110	In Adv	ance (	Y/N)	No L	ane SB	C	n Bridge (m)	In Advance	e (Y/N) No	
Remarks	Not rec		go ()		1117101	(	.,,				go ()	11171010111	(1,11)	
		<u>.                                      </u>				Uti	lities (	Located	at)					
Utility Attachme	ents						,							
Telephone	North r	/w.						Gas						
Power								Munic	pal					
Others								Proble	m (Y/N)	No				
Remarks														
					A	pproac	h Roa	d / Emb	ankment					
						Last	Now	Explai	Explanation of Condition					
Horizontal Align						7	7	Interse	Intersection 250m East.					
Vertical Alignm						7	7							
Roadway Width (m)		11.200	11.200											
Embankment						7	7							
Sideslope (	_:1)		3.0											
(Height of Co	ver(m) : (	0.5)												
Guardrail (Y/N)		Yes	Yes											
Approach Roa	d / Emb	ankmeı	nt Genera	I Rati	ng	7	7							
							Upstre	am End						
Culvert Compo	onent					Last	Now	Explai	nation of C	Condi	ition			
Direction						S								
End Treatment Others, None)	(Concret	te, Stee	I, CONCF	RETE										
Headwall						6	6							
Collar						Х	Х							

74371 -1 Bridge Culvert

			Harata	om End
Culvert Company				Explanation of Condition
Culvert Component		Last 6	Now 6	A wide vertical crack between wingwall and the main barrel @ SE.
Wingwalls (Shape : ELARE)		0	6	A wide vertical crack between wingwall and the main barrel @ SE.
(Shape : FLARE) Cutoff Wall			V	
Cuton vvan		X	X	
Bevel End		X	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		6	6	
(Type : NATURAL)		'	_	
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
		D <sub>n</sub> i.	dae Cu	livert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN			· ·
Barrel Last Accessible Date	28-Jun-2012	Span (IIIII	.,. ZUUL	Culvert also handles ditch drainage flowing from South to North.
Darrei Last Accessible Date	26-Juli-2012			Curvent also handles ditch drainage nowing from South to North.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		6	6	SW corner has a wide vertical crack.
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection				
Floor		N	N	50 mm dirt - no evidence of problems.
Bulge (mm)	0			1
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	0			-
Longitudinal Seams	1 -	Х	Х	
Total No. of Cracked Rings		Α		-
Total No. of Rings with Two				
Cracked Seams	-			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				-
Longitudinal Stagger (Y/N)				
Coating		X	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			2 of 5

		Brid	dge Cul	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	): 2000	, Rise (mm): 2000, Type: BP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy			Х	
Baffle		X	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
				eam End
Culvert Component			Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		7	7	
Collar		X	X	
Wingwalls		6	6	NE wingwall has 1mm wide diagonal crack.
(Shape : <b>FLARE</b> )				
Cutoff Wall		Х	Х	
Bevel End		Х	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			A 400mm drop @ North end is a hazard to the public.
Above/Below (mm)	400			
Scour Protection		6	6	
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion			7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	6	6	
		5	Structur	re Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		5	5	Adequate for use.
Roadway Surface		6	6	
(Type : <b>SOIL</b> )				
Icing (Y/N)	No			
Traffic Safety Features		Х	Х	
Туре	None			
Lighting		Х	Х	
Barrel Leakage (Y/N) No				

Structure Usage								
		Last	Now	Explanation of Condition				
Drainage			6					
Structure In Use (Y/N) Yes				Appears to be used only as ATV crossing.				
Grade Separation General Rating			5					

		Maintenance	Recommendations									
Inspector Recommendations	Year	Inspector Comments		Department Comments								
SHOTCRETE REPAIRS						get Year	Est. Cost					
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING	G											
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUT	OFF											
REPAIR SEAMS												
OTHER ACTION	2012	Fill low area at northend 0.5m3 pitrun or loam.										
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/N(%)	low) 66.7/66	Sufficiency Rating (La	st/Now) 67.3/67.3	<b>67.3/67.3</b> Est. Repl. Yr		Maint. Reqd. (Y/N)		Yes				
Special Comments for Next Inspection			Department Comments									
Maintenance Reviewed By		Date		Estim	ated Total	0						
Proposed Long-Term Strategy	2007.07.04 Structure can be removed or remediated at the convenience of the department.											
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Owen Salava		Previous Assistant's Name	Assistant's Name								
Next Inspection Date	28-Mar-2014	28-Mar-2014 Previous Inspection Date 31-Aug-2010										
Inspection Cycle (Default) (months)	21											
Comment												