					Brido	je Culve	ert Inspe	ection					
Bridge File Nur	nber	71343 -	1 Bridge Culve		-1100	,c Guive	Form T			CULE			
Year Built		1952	agoa	•			Lot No.	• •		4			
Bridge or Town	Name							tor Name		Tom Carey			
Located Over			CREEK, 2.7, W	ATERCRS	S-ST		· ·	or Class		BR CLS A			
Located On			18.100;1:22 L					nt Name					
Water Body Cl.	/Year						Assistant Class						
Navigabil. Cl./Y							Inspection Date		08-Feb-2012				
Legal Land Loc		SE SEC	7 TWP 12 RG	E 3 W4M			Data E			Lauren Korte			
Longitude, Latit			42, 49:58:37					ntry Date	,	26-Mar-2012			
Road Authority			Transportation	(AIT)			Reviewer Name		Garry Roberts				
Contract Main.		CMA23		` '			Review	Date		26-Feb-2012			
Clear Roadway/Skew 26 /							Dept. F	Reviewer	Name	Tim Davies			
AADT/Year							Dept. F	Review Da	ate	29-Mar-2012			
Road Classification RAD-412.4-120					Follow-	Up By							
Detour Length	(km)	1											
Bridge Culvert	Inform	ation											
Number of Culv	verts		1										
Pipe #	Barrel		Span Rise (or Dia.) Type			Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	U/S	-	-	1400		MP		50		75X25	2.8	ROUND	
1	MAIN		5940	1980		BP		79.8				RECTANGLE	
1	D/S		- 1400 MP		MP		12		75X25	2.8	ROUND		
Special Feature	es												
Special Feature	es Comi	ment											
					1114	::::: /!		-1)					
Likilita Attaches					Ut	ilities (L	_ocated	at)					
Utility Attachme	North	oido					Gas		Vio EC	)m East.			
Telephone Power			rire, 40m FRON	1 C I			Municip	201	X 5 50	лп ⊑аѕі.			
Others	South	SIGE-5 W	nie, 40m i Ron	/I U.L.				m (Y/N)	No				
Remarks							1 TODICI	11 (1/14)	110				
romano				Ap	proa	ch Road	l / Emba	ankment					
					Last	Now	Explanation of Condition						
Horizontal Aligr	nment				8	8							
Vertical Alignm	ent				9	9							
Roadway Width	n (m)		26.000										
Embankment					8	8							
Sideslope (	_:1)		5.0										
(Height of Co	ver(m) :	0.9)											
Guardrail (Y/N)	1		No										
Approach Roa	nd / Eml	oankmen	nt General Rat	ing	8	8							
						Upstre	am End						
Culvert Compo	onent				Last	Now	Explanation of Condition						
Direction					S		South.						
End Treatment Others, None)	(Concre	ete, Steel	I, STEEL										
Headwall					Х	X							
Collar					Х	Х							
Wingwalls					X	X							
(Shape: )													

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		X	X	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Brid	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	, F	Rise (mm): 1400, Type: MP, Cell Sequence: 1)
Barrel Last Accessible Date	08-Feb-2012			West Cell.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	1347			
Measured At Ring No.	3			
Sag (mm)	53			
Percent Sag	4			
Sidewall		7	7	
Measured Span (mm)	1430			
Measured At Ring No.	3			
Deflection (mm)	30			
Percent Deflection	2			
Floor		7	7	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		7	7	
Separation (mm)	20			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		7	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

71343 -1 Bridge Culvert

		Brio	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: U/S, Span	<u>(mm):</u>	, F	Rise (mm): 1400, Type: MP, Cell Sequence: 1)
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratin	g	7	7	
		Brid	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: U/S. Span			Rise (mm): 1400, Type: MP, Cell Sequence: 2)
Barrel Last Accessible Date	08-Feb-2012	,	, -	Center Cell.
Dairei Lact / tecocolic Date	00 1 00 20 12			Control Com
Special Features				
Special Feature				
(Type:)			1	
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	1355			
Measured At Ring No.	4			
Sag (mm)	45			
Percent Sag	3		1	
Sidewall		7	7	
Measured Span (mm)	1415			
Measured At Ring No.	4			
Deflection (mm)	15			
Percent Deflection	1			
Floor		6	7	
Bulge (mm)	0			
Measured At Ring No.  Abrasion (Y/N)	No			
Circumferential Seams	INO	5	7	60mm vertical @ R1.
Separation (mm)	60	5		bomin venical @ RT.
Longitudinal Seams	00	Х	Х	
Total No. of Cracked Rings		^		
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		Х	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

71343 -1 Bridge Culvert

		Brio	ige Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	ion Code: U/S, Span	<u>(mm):</u>	, F	Rise (mm): 1400, Type: MP, Cell Sequence: 2)
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratin	g	7	7	
		Brid	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: U/S. Span			Rise (mm): 1400, Type: MP, Cell Sequence: 3)
Barrel Last Accessible Date	08-Feb-2012	,	, -	East Cell.
Barrer East / toobsolbre Bate	00 1 00 2012			Luci Goiii
Special Features				
Special Feature				
(Type:)			1	
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	1355			
Measured At Ring No.	3			
Sag (mm)	45			
Percent Sag	3		1	
Sidewall		7	7	
Measured Span (mm)	1410			
Measured At Ring No.	3			
Deflection (mm)	10			
Percent Deflection	1	_		
Floor		7	7	
Bulge (mm)	0			
Measured At Ring No.  Abrasion (Y/N)	No			
Circumferential Seams	INO	7	7	
Separation (mm)	20	1		
Longitudinal Seams	20	X	Х	
Total No. of Cracked Rings		^		
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		Х	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

71343 -1 Bridge Culvert

		Bric	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	ion Code: U/S, Span	(mm):	, F	Rise (mm): 1400, Type: MP, Cell Sequence: 3)
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratin	g	7	7	
		Bric	ige Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 1980	, Rise (mm): 1980, Type: BP, Cell Sequence: 1)
Barrel Last Accessible Date	08-Feb-2012			West Cell.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	7	
Measured Rise (mm)	1980			
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		6	7	Minor narrow cracks.
Measured Span (mm)	1980			
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection				
Floor		N	N	Dirt covered.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		4	5	Honey comb @ transition. Still adequate.
Separation (mm)	30			Juli adequate.
Longitudinal Seams		X	X	
Total No. of Cracked Rings				
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)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			

		Bric	lge Cul	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	): 1980	, Rise (mm): 1980, Type: BP, Cell Sequence: 1)
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	Dry.
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	7	
		Duio	lac Cul	lvert Barrel
Culvert Component				Explanation of Condition
-	tion Code: MAIN Sna			, Rise (mm): 1980, Type: BP, Cell Sequence: 2)
Barrel Last Accessible Date	08-Feb-2012		). 1900	Center Cell.
Barrel Last Accessible Date	06-Feb-2012			Center Cen.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	7	
Measured Rise (mm)	1980			
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		6	7	Minor narrow crack.
Measured Span (mm)	1980			
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	Dirt covered.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		5	5	Honey comb @ transition.
Separation (mm)	10			Still adequate.
Longitudinal Seams		Х	X	
Total No. of Cracked Rings				
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)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			

		Bric	lge Cul	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	<u>n (mm</u>	): 1980	, Rise (mm): 1980, Type: BP, Cell Sequence: 2)
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	Dry.
Baffle		Х	X	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
		Brig	lge Cu	lvert Barrel
Culvert Component		1		Explanation of Condition
	tion Code: MAIN. Spa			, Rise (mm): 1980, Type: BP, Cell Sequence: 3)
Barrel Last Accessible Date	07-Aug-2010			East Cell.
Dairot East / tooosolble Date	0. 7.ug 2010			Lust Som
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	7	
Measured Rise (mm)	1980			
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		6	7	Minor narrow cracks.
Measured Span (mm)	1980			
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	Dirt covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		X	5	Honey comb @ transition.
Separation (mm)	30			Still adequate.
Longitudinal Seams		X	X	
Total No. of Cracked Rings				
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)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			

		Bric	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, S	pan (mm	): 1980	, Rise (mm): 1980, Type: BP, Cell Sequence: 3)
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	7	
		D	 ownstr	ream End
Culvert Component		Last		Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		7	7	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	2 - 4ftx8ft CPR concrete box pipes (built 1910) 40m D/S. Shallow channel.
Bank Stability		7	7	
HWM (m below Top of Culvert)				No visible HWM.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
<b>Channel General Rating</b>		7	7	

			Maintenance Re	ecommend	lations					
Inspector Recommendations	Year	Inspector Com	ments		Department Comr	nents		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) 66.7/6	66.7 Suffic (%)	ciency Rating (Last/	Now)	71.8/71.8	Est. Repl. Yr	2030	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	Jason Rusu			Previous	Assistant's Name					
Next Inspection Date	08-Nov-2013			Previous	Inspection Date	07-Aug-2010				
Inspection Cycle (Default) (months)	21									
Comment										