					Bride	ne Culve	art Insn	action						
Bridge File Nu	dge File Number 00650 -1 Bridge Culvert					je Curv	Form Type			CULM				
Year Built 1955						Lot No.			3					
Bridge or Tow	n Name		RIDGE				Inspector Name			Jason Rusu				
Located Over							Inspector Class			BR CLS A				
Located On 4:07 R1 0.760;4:07 L							Assistant Name							
Water Body Cl./Year							ant Class							
Navigabil. Cl./Year					Inspection Date			24-Mar-2013						
Legal Land Location NE SEC 22 TWP 8 RGE 21			SE 21 W4	M		Data Entry By			Lauren Korte					
								Intry Date	<u> </u>	11-Apr-2013				
		a Transportation (AIT)					ver Name		Garry Roberts					
Contract Main. Area CMA25							v Date		07-Apr-2013					
Clear Roadwa		20 /						Reviewer	Name	Tim Davies				
AADT/Year	<i>J.</i>		2012 (A)				<u> </u>	Review Da		22-Apr-2013				
Road Classific	ation		12.4-130					-Up By		,				
Detour Length	(km)	1						-1 7						
Bridge Culver		nation												
Number of Cul			1											
Pipe #	Barrel		Span	Rise (or	(or Dia.) Type			Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		5484	1828		BPR		18.3				RECTANGLE		
Special Featur	es													
Special Featur	es Com	ment												
					Ut	ilities (L	_ocated	at)						
Utility Attachm										5011				
Telephone North ROW						Gas			North	ROW.				
Power North and South ROW					Munic									
Others Fibre Optic Cable North ROW and Stre North and South.				eet Lig	ht	Proble	m (Y/N)							
Remarks				Δ.		- b D	ıl / El							
				A	Τ'			/ Embankment Explanation of Condition						
Horizontal Alig	nmont				9	9	4 lane median divided 80 km/hr posted speed.							
Vertical Alignn					9	9	1	· ·						
					9	9	Safety	rail @ No	orth					
Roadway Widt	th (m)		26.000											
Embankment					7	7		ete @ roa						
Sideslope (_	_:1)		5.0	5.0			5:1 at Guard	5:1 at transitions, 3:1 at wingwalls sides. Guardrail not fastened to parapet at SE.						
(Height of Co	over(m)	: 0.3)					Juana			to parapor at C				
Guardrail (Y/N)		Yes				Guard	Guardrail with parapets over bridge						
Approach Ro	ad / Eml	bankme	nt General Ra	ting	9	9								
						Upstre	am End							
Culvert Comp	onent				Last	Now		nation of	Condi	tion				
Direction			S		South									
End Treatment (Concrete, Steel, CONCRETE Others, None)														
Headwall					7	7								
Collar	Collar			Х	X									
Wingwalls			7	7										
(Shape : FLARE)														
Cutoff Wall			N	N										
					1									

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		Х	Х							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	150									
Scour Protection		7	7							
(Type : RIP RAP)				Canal Amouring						
(Avg. Rock Size(mm) : 100)				- Carial Amouning						
Scour/Erosion			7							
5 070	 									
Beavers (Y/N)	No									
Upstream End General Rating		7	7							
3										
		1		Ivert Barrel						
Culvert Component	di O I MAIN O	Last	Now	Explanation of Condition						
		in (mm	i): 1828	R, Rise (mm): 1828, Type: BPR, Cell Sequence: 1)						
Barrel Last Accessible Date	24-Mar-2013			West cell. All cells full of 150 mm ice on floor						
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		N	8							
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)	0									
Percent Sag										
Sidewall		N	9							
Measured Span (mm)										
Measured At Ring No.										
Deflection (mm)	0									
Percent Deflection										
Floor		N	N	(Some Abrasion) 16- Oct- 2007						
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	Yes									
Circumferential Seams		N	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		Х	Х							
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 1828	Rise (mm): 1828, Type: BPR, Cell Sequence: 1)
Fish Passage Adequacy		7	7	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N) No				
Barrel General Rating		N	8	
				Ivert Barrel
Culvert Component				Explanation of Condition
		ın (mm	ı): 1828	Rise (mm): 1828, Type: BPR, Cell Sequence: 2)
Barrel Last Accessible Date	24-Mar-2013			Center cell.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	8	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		N	9	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection				
Floor		N	N	(Minor Abrasion) 16-Oct-2007
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		N	8	
Separation (mm)	20			
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		Х	Х	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

				lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 1828	Rise (mm): 1828, Type: BPR, Cell Sequence: 2)
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N) No				
Barrel General Rating		N	8	
		Bri	dge Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 1828	, Rise (mm): 1828, Type: BPR, Cell Sequence: 3)
Barrel Last Accessible Date	24-Mar-2013			East Cell
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	8	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	9	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	(Minor Abrasion)16-Oct-2007
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		N	8	(Gap @ Construction Joints)16-Oct-2007
Separation (mm)	20			
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		Х	Х	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Brio	lge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
-	tion Code: MAIN, Spa			s, Rise (mm): 1828, Type: BPR, Cell Sequence: 3)
Fish Passage Adequacy			7	
Baffle		Х	Х	
(Type :)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	8	
g				
Culvert Component		Last		ream End
Culvert Component Direction			INOW	North end center
End Treatment (Concrete, Steel,	CONCRETE	N		North end center
Others, None)	0011011212			
Headwall		7	7	
Collar		Х	Х	
Wingwalls		7	7	
(Shape : FLARE)				
Cutoff Wall			N	
Bevel End			X	
Heaving (mm) 0		X		
Invert Above/Below Stream Bed BELOW				
Above/Below (mm) 150				
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
			tructu	re Usage
		Last		Explanation of Condition
Channel (U/S and D/S)		1=0.00	,	
Alignment		7	7	45 deg turns, both ends lined irrigation canal.
3				
Bank Stability			7	
HWM (m below Top of Culvert) 0.3				
Drift (Y/N) No				
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			
Channel General Rating	HOIL)	7	7	
Chainlei General Rating		'	<i>'</i>	

			Maintenance R	ecommen	dations					
Inspector Recommendations	Year Inspector Comments				Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS		'			1					
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION	2013	Reattac	h flex beam to parapet at SV	٧.						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 55.6/8	88.9	Sufficiency Rating (Last/Now) (%)		71.8/88.3	Est. Repl. Yr	2045 Maint. R		qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		Е	stimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Jon Davies			Previous	Assistant's Name					
Next Inspection Date	24-Dec-2014			Previous	Inspection Date	22-Jun-2011				
Inspection Cycle (Default) (months)	21									
Comment										