					Bridg	e Culve	ert Insp	ection						
Bridge File Number 78508 -1 Bridge Culvert						Form Type			CUL1					
Year Built 1979						Lot No.				4				
Bridge or Town Name MORLEY							Inspec	tor Name		Jon Davies				
Located Over			TARY TO LITTLE JUMPINGPOUND				Inspec	Inspector Class BR CLS B						
Located On			2.13.43.3.2, WATERCRS-ST I 35.095				Assista	Assistant Name						
Water Body Cl./		00.04	51 33.093					ant Class						
Navigabil. Cl./Y							Inspec	tion Date		12-Sep-2012				
Legal Land Loca		C/V/ CE	C 7 TWP 25 R	⊃E <i>E \\/E\</i>	.1		Data E	ntry By		Lauren Korte				
				3E 3 W3F	VI		Data E	ntry Date		10-Oct-2012				
Longitude, Latite Road Authority	uue		1:58, 51:06:51 Transportation	/ \ IT \			Reviev	ver Name	:	Garry Roberts				
Contract Main.	Aroa	CMA28	·	(AII)			Review Date 21-Sep-2012							
			31 deg. (RHF)					Reviewer						
Clear Roadway	OKEW		011 (A)				_ ·	Review Da	ate	11-Oct-2012				
	tion						Follow	-Up By						
Road Classification RAU-211 Detour Length (km) 16		11.0-110												
Bridge Culvert										L				
Number of Culv		ation	1											
	Barrel		Span	Rise (or	Dia)	Туре		Length		Corr. Profile	Pl./Slab	Shape		
1 ipo	Barror		Opan	1100 (01	Dia.,	1 9 9 0		Longui		Controllic	Thickness	Опаро		
1	MAIN		2317	2561		SPE		45.1		152X51	3.0	ELLIPSE		
Special Feature	s													
Special Feature	s Comr	ment												
					Uti	ilities (L	ocated	l at)						
Utility Attachme	nts							at)						
Telephone	East R	ROW.					Gas							
Power	West I						Munici	nal						
Others								m (Y/N)	No					
Remarks								(')						
				Α	pproac	ch Road	d / Emb	ankment						
					Last	Now	Explai	nation of	Condi	tion				
Horizontal Align	ment				7	7	Crest curves North and South.							
Vertical Alignme	ent				5	5								
Roadway Width	(m)		12.300											
Embankment					7	7								
Sideslope (:1)		3.0											
(Height of Cov	ver(m) :	2.9)												
Guardrail (Y/N)		,	Yes											
Approach Road / Embankment General Rating		5	5											
				J										
Culvert Compa	mant				Last	Upstre Now		nation of	Candi	tion				
Culvert Compo	nent				W	INOW	West.	iation or	Contai	шоп				
End Treatment (Concrete, Steel, STEEL		VV		VVCSI.										
Others, None) Headwall			X	Х										
Headwall Collar														
			X	X										
Wingwalls (Shape:)			X	X	-									
Cutoff Wall					Х	X								
Julion Wall							1							

			11	
				am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	1	7	7	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		7	7	
(Type : NATURAL)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S			· ·
Barrel Last Accessible Date	12-Sep-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	2478			
Measured At Ring No.	4			
Sag (mm)	83			
Percent Sag	3			
	J	7	7	
Sidewall (1975)	0000	7	7	
Measured Span (mm)	2390			
Measured At Ring No.	4			
Deflection (mm)	77			
Percent Deflection	3			
Floor	I	N	6	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	0			
Longitudinal Seams		7	7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		4	6	Superficial corrosion at water line and below.
Corrosion By Soil (Y/N)	No	•		2.7
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Brid	ige Cui	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 2317	, Rise (mm): 2561, Type: SPE)
Fish Passage Adequacy		6	6	
Baffle		X	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		E		East.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Scour Protection		6	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		6	6	
Beavers (Y/N)	No			
Downstream End General Rati	ng	6	6	
		s	tructur	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		6	6	Bend on u/s end & d/s end.
Bank Stability		6	6	
HWM (m below Top of Culvert)	1.2			No visible HWM.
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading	DEGRADING			In Trees U/S & D/S.
Beavers (Y/N)	No			
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	: NONE)			
Channel General Rating		6	6	

78508 -1 Bridge Culvert

SHOTCRETE REPAIRS PLACE ADDITIONAL RIP RAP REMOVE DRIFT ACCUMULATION INSTALL CONCRETE/STEEL LINING INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Date Estimated Total O Proposed Action Previous Inspector's Name Garry Roberts Previous Assistant's Name			Maintenance	Recommendations				
PLACE ADDITIONAL RIP RAP REMOVE DRIFT ACCUMULATION INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER	Inspector Recommendations	Year			nments	Target \	Year Est. Cost	Cat #
REMOVE DRIFT ACCUMULATION INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTIO	SHOTCRETE REPAIRS							
INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspection Date Garry Roberts Previous Inspection Date O7-Jan-2011 Inspection Cycle (Default) (months) 21	PLACE ADDITIONAL RIP RAP							
INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTIO	REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION Structural Condition Rating (Last/Now) Repair (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Rext Inspection Date 12-Jun-2014 Previous Inspection Date 12-Jun-2014 Previous Inspection Date 12-Jun-2014 Previous Inspection Date 07-Jan-2011 Inspection Cycle (Default) (months) 21	INSTALL CONCRETE/STEEL LINING							
REPAIR SEAMS OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Garry Roberts Previous Inspection Date 12-Jun-2014 Previous Inspection Date 13-Jun-2014 Previous Inspection Date 14-Jun-2014 Previous Inspection Date 15-Jun-2011 Previous Inspection Date 15-Jun-2011	INSTALL STRUTS							
OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Next Inspection Previous Inspection Date 12-Jun-2014 Inspection Cycle (Default) (months) 21 Sufficiency Rating (Last/Now) (%) Sufficiency Rating (Last/Now) (%) T7.8/T7.8 Sufficiency Rating (Last/Now) (%) T0.2/T7.1 Est. Repl. Yr 2030 Maint. Reqd. (Y/N) No Sufficiency Rating (Last/Now) (%) No Sufficiency Rating (Last/Now) (%) T0.2/T7.1 Est. Repl. Yr 2030 Maint. Reqd. (Y/N) No Superior Pestimated Total 0 Previous Inspection Date 07-Jan-2011	INSTALL CONCRETE COLLAR/CUTO	FF						
OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Sarry Roberts Previous Inspection Date 12-Jun-2014 Inspection Cycle (Default) (months) Department Comments Department Comments Department Comments Previous Assistant's Name O7-Jan-2011 O7-Jan-2011 O7-Jan-2011	REPAIR SEAMS							
OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date Garry Roberts Rest. Repl. Yr Department Comments Estimated Total O Estimated Total O Previous Assistant's Name Next Inspection Date 12-Jun-2014 Previous Inspection Date O7-Jan-2011 Inspection Cycle (Default) (months) 21	OTHER ACTION							
Structural Condition Rating (Last/Now) 77.8/77.8 Sufficiency Rating (Last/Now) 75.2/75.1 Est. Repl. Yr 2030 Maint. Reqd. (Y/N) No (%) Department Comments for Next Inspection Maintenance Reviewed By Date Estimated Total 0 Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 12-Jun-2014 Previous Inspection Date 07-Jan-2011 Inspection Cycle (Default) (months) 21	OTHER ACTION							
Structural Condition Rating (Last/Now) 77.8/77.8 Sufficiency Rating (Last/Now) 75.2/75.1 Est. Repl. Yr 2030 Maint. Reqd. (Y/N) No Special Comments for Next Inspection Maintenance Reviewed By Date Estimated Total 0 Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 12-Jun-2014 Previous Inspection Date 07-Jan-2011 Inspection Cycle (Default) (months) 21	OTHER ACTION							
Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Searry Roberts Next Inspection Date Previous Inspection Date 12-Jun-2014 Inspection Cycle (Default) (months) 21 Department Comments Department Comments Pestimated Total O Previous Assistant's Name Previous Assistant's Name O7-Jan-2011	OTHER ACTION							
Comments for Next Inspection Maintenance Reviewed By Date Estimated Total 0 Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date 12-Jun-2014 Previous Inspection Date 12-Jun-2014 Previous Inspection Date 12-Jun-2014 Previous Inspection Date 12-Jun-2014 Previous Inspection Date 13-Jun-2014 Previous Inspection Date 14-Jun-2014 Previous Inspection Date 15-Jun-2014 Previous Inspection Date 16-Jun-2014 Previous Inspection Date 17-Jun-2011	Structural Condition Rating (Last/No (%)	ow) 77.8/77	.8 Sufficiency Rating (La (%)	nst/Now) 75.2/75.1	Est. Repl. Yr	2030 Mair	nt. Reqd. (Y/N)	No
Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date 12-Jun-2014 Inspection Cycle (Default) (months) Proposed Action Previous Assistant's Name Previous Inspection Date 07-Jan-2011	Special Comments for Next Inspection							
On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 12-Jun-2014 Previous Inspection Date O7-Jan-2011 Inspection Cycle (Default) (months) 21	Maintenance Reviewed By			Date		Estimated	d Total 0	
Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 12-Jun-2014 Previous Inspection Date O7-Jan-2011 Inspection Cycle (Default) (months)	Proposed Long-Term Strategy							
Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 12-Jun-2014 Previous Inspection Date 07-Jan-2011 Inspection Cycle (Default) (months) 21	On 3-Year Program (Y/N)							
Next Inspection Date 12-Jun-2014 Previous Inspection Date 07-Jan-2011 Inspection Cycle (Default) (months) 21	Proposed Action							
Inspection Cycle (Default) (months) 21	Previous Inspector's Name	Garry Roberts		Previous Assistant's Name				
Inspection Cycle (Default) (months) 21	Next Inspection Date	12-Jun-2014		Previous Inspection Date	07-Jan-2011			
		21			,			