Bridge Culvert Inspection														
Bridge File Num	ber	78510 -	-1 Bridge Culve	rt			Form 7	уре		CUL1				
Year Built 1979 Bridge or Town Name MORLEY							Lot No			1				
Bridge or Town I	Name	MORLE	ΞY				Inspector Name		Jon Davies					
		TARY TO LITTLE JUMPINGPOUND , 2.13.43.3.2, WATERCRS-ST			Inspector Class			BR CLS B						
Located On			C1 35.812	VATERCI	13-31			ant Name						
Water Body Cl./		00.04	51 33.012				Assistant Class							
Navigabil. Cl./Ye							Inspection Date		12-Sep-2012					
Legal Land Loca		NW SE	C 7 TWP 25 RO	3F 5 W/5N	/			ntry By		Lauren Korte				
Longitude, Latitu			1:55, 51:07:14	JE 3 4431	/1			ntry Date		10-Oct-2012				
Road Authority			Transportation	(ΔIT)			Reviewer Name Garry Roberts							
Contract Main. A		CMA28	·	(ДП)			Reviev			21-Sep-2012				
Clear Roadway/		12.3 /	,					Reviewer						
AADT/Year			011 (A)					Review Da	ate	11-Oct-2012				
Road Classificat			11.8-110				Follow	-Up By						
Detour Length (F		16					-							
Bridge Culvert		ation								'				
Number of Culve			1											
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 1	MAIN		2317	2561		SPE	42.1		152X51	3.0	ELLIPSE			
Special Features			BEAVR CTRL				12.1		1021101	1212				
Special Features		nent												
								_						
Utilities (Located at)														
Utility Attachmer							_		l .	100 0 1				
Telephone	East d						Gas		x-ing	100m South.				
Power	West r	OW.					Munici							
Others							Proble	m (Y/N)	No					
Remarks				٨٠	oproa	ch Poac	l / Emb	ankment						
				A	Last			nation of		tion				
Horizontal Aligni	ment				6	6	Ī	d in curve						
Vertical Alignme					7	7	Locato	a oa. re						
Roadway Width			12.300											
Embankmant					7	7								
Embankment Sideslope (:	·1)		3.0		1	/								
(Height of Cover(m) : 3.3)			0.0											
Guardrail (Y/N)	CI(III) .	0.0)	Yes											
Approach Road	d / Emb	ankme	ent General Rat	ing	6	6								
Culvert Component Last Now Explanation of Condition														
Culvert Compo	nent				Last E	Now	Explar	iation of	Conar	tion				
End Treatment (Concrete, Steel, STEEL			<u> </u>		-									
Others, None) Headwall			X	X										
Collar					X	X								
Wingwalls					X	X								
(Shape:)					, ,	, ,								
Cutoff Wall					Х	X								
							1							

			Host	on End				
Outroot O				eam End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		7	5					
Heaving (mm)	100							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	300		1					
Scour Protection		7	7					
(Type : NATURAL)								
(Avg. Rock Size(mm) : 250)								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Upstream End General Rating		7	7					
		Bri	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		<u>, </u>					
Special Features								
Special Feature		6	4	Removed at U/S East bevel.				
(Type : BEAVR CTRL DEV)								
Special Feature								
(Type:)								
Roof		5	5					
Measured Rise (mm)	2495	3	3					
` ,								
Measured At Ring No.	7							
Sag (mm)	66							
Percent Sag	2		1					
Sidewall	I	3	3	Rated 3 due to cracked seam.				
Measured Span (mm)	2430							
Measured At Ring No.	7							
Deflection (mm)	113			_				
Percent Deflection	4							
Floor		N	N	Water up to 400mm.				
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		5	5	Roof bolt pulling through 2nd seam @ u/s end.				
Separation (mm)	0							
Longitudinal Seams		3	3	3,4,5,6,7,8 & 9 from U/S end cracked				
Total No. of Cracked Rings	7		<u> </u>	on North side - 58 mm steel @ ring #7				
Total No. of Rings with Two Cracked Seams	0			Ends of all cracks marked in R7 for future monitoring Bolts pulling through.				
Min. Remaining Steel Between Cracks (mm)	58			In stagger.				
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	Yes							
Coating	. 55	5	6	Superficial corrosion @ lower				
Corrosion By Soil (Y/N)	No	3	U	sidewalls.				
	Yes							
Corrosion By Water (Y/N)								
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

	Bridge Culvert Barrel							
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 2317	, Rise (mm): 2561, Type: SPE)				
Fish Passage Adequacy		7	7					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		3	3					
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		W						
End Treatment (Concrete, Steel, Others, None)								
Headwall		X	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	X					
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	200							
Scour Protection		5	4	Displaced rip rap and fill at SW.				
(Type : NATURAL)								
(Avg. Rock Size(mm) : 250)								
Scour/Erosion		5	4	Minor scour at SW bevel scope.				
Beavers (Y/N)	No							
Downstream End General Ratin	ng	5	4					
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		7	7	Curves to the North on the d/s end.				
Bank Stability		7	7	Shallow banks.				
HWM (m below Top of Culvert) 0.2				No visible HWM.				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading	DEGRADING							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	7					

		Maintenanc	e Recommen	dations					
Inspector Recommendations	Year	Inspector Comments	o recommen	Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							90000		
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	2012	2200 diameter lining.							
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 33.3/33	.3 Sufficiency Rating (L	.ast/Now)	54.9/53.8	Est. Repl. Yr	2020 Maint. Re		qd. (Y/N)	Yes
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	Garry Roberts		Previous	Assistant's Name					
Next Inspection Date	12-Jun-2014		Previous	Inspection Date 07-Jan-2011					
Inspection Cycle (Default) (months)	21								
Comment									