73801 -1 Bridge Culvert

Bridge Culvert Inspection														
Bridge File Num	ber 73						Form Type		CUL1					
Year Built	19	983					Lot No			4				
Bridge or Town I	Name Dl	UNSTA	ABLE				Inspec	tor Name		Melanie Johnson				
Located Over	TF	RIBUTA	ARY TO NEWTON CREEK,					tor Class		BR CLS B				
Located On				1 17 697				Assistant Name						
							Assistant Class							
Water Body Cl./Year Navigabil. Cl./Year							Inspection Date		28-Jun-2011					
Legal Land Loca		N SEC					Data Entry By			Theresa Lacusta				
Longitude, Latitu			52 52:56:55					ntry Date		06-Jul-2011				
Road Authority					Reviewer Name			Arnold Assenheimer						
Contract Main. A			Tansportation					29-Jun-2011						
Clear Roadway/					Dept. Reviewer Name									
AADT/Year			010 (A)				Dept. Review Date			18-Jul-2011				
Road Classificat							Follow-Up By							
Detour Length (k			0 110				-							
Bridge Culvert														
Number of Culve			 1											
	Barrel	1983 DUNSTABLE TRIBUTARY TO NEWTON (Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN	-		2430		SP		29		152X51	3.0	ROUND		
Special Features														
Special Features		nt												
					Uti	lities (L	ocated	at)						
Utility Attachmer	nts						-							
Telephone					Gas									
Power 2 wires 10m North r/w.					Munici									
Others						Proble	m (Y/N)	No						
Remarks	BF tag in	nstalled	at top of Sout			-b Daar	l / El-							
				А	Last	Now	I / Embankment Explanation of Condition							
Horizontal Align	ment				8	7	-	Hwy 777N ~100m west of crossing. Crest curves to east & west.						
Horizontal Alignment Vertical Alignment				7	7	passing WB.					east & West. NO			
vertical / tilgriffic						'	Wide to	ansverse	crack	over pipe, full v	vidthSealed			
Roadway Width	(m)		9.700				11100		0.0011					
						7								
Embankment Sideslope (:	.1)		2.0		4	7	-							
		2)	3.0				-							
Guardrail (Y/N)	er(m) : 1	Z)	No											
	l / Embar	ıkman	at General Rat	ina	7	7								
Approach Road	a / Ellibai	IKIIICII	it Ochcrai itat	ıııg	•	_ ′								
							am End							
Culvert Compo	nent				Last	Now	Explar	ation of	Condit	ion				
Direction					S		-							
End Treatment (Concrete, Steel, Others, None)														
Headwall			Х	X										
Collar				X										
Wingwalls					X									
(Shape :)														

73801 -1 Bridge Culvert

			Unetro	am End					
Culvert Component		Last	Now						
Cutoff Wall		X	X	Explanation of Condition					
Odion wan		^							
Bevel End		6	6						
Heaving (mm)	200								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	100								
Scour Protection		N	4						
(Type: RIP RAP)									
(Avg. Rock Size(mm) : 250)									
Scour/Erosion		5	4	Scouring underneath bevel, extends ~800mm.					
Decision (M/N)	Na								
Beavers (Y/N)	No								
Upstream End General Rating		4	4						
	1			Ivert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca		an (mm):	, Rise (mm): 2430, Type: SP)					
Barrel Last Accessible Date	12-Mar-2008			Water 0.85m deep-pipe viewed from ends, shape and condition appear good.					
				appear good.					
Special Features			_						
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof		4	N	(@ D/S end, rise 2700, 8% deflection. Aug/20/04) Can't confirm due					
Measured Rise (mm)	2700			to floor iced over. Rating carried forward12-Mar-2008					
Measured At Ring No.				Upwards.					
Sag (mm)	270								
Percent Sag	10								
Sidewall		6	N						
Measured Span (mm)	2350			D/S end.					
Measured At Ring No.				Inwards.					
Deflection (mm)	80			3.3%-12-Mar-2008					
Percent Deflection	3								
Floor		N	N	Ice/water covered12-Mar-2008					
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		7	N						
Separation (mm)	0								
Longitudinal Seams		7	N						
Total No. of Cracked Rings	0								
Total No. of Rings with Two									
Cracked Seams									
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N)	No								
Coating		4	4	Pitting rust on bottom 1/2. Some corrosion by soil @ bolt holes.					
Corrosion By Soil (Y/N)									
Corrosion By Water (Y/N)	Yes								

Bridge Culvert Barrel									
Culvert Component		Last Now		Explanation of Condition					
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2430, Type: SP)					
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								
Fish Passage Adequacy		Х	Х						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		6	6						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		4	4	GR carried fwd.					
_									
				eam End					
Culvert Component		Last	Now	Explanation of Condition					
Direction	I	N							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape:)			1						
Cutoff Wall		Х	Х						
Bevel End		6	6						
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	200								
Scour Protection		N	5						
(Type: RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		N	5						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	5	5						
				a Usani					
		Last		re Usage					
Channel (II/S and D/S)		Last	INOW	Explanation of Condition					
Channel (U/S and D/S)		5	5	Bend @ D/S end.					
Alignment		3	3	Bend @ D/3 end.					
Bank Stability		7	7						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :									
(Fish Compensation Measure 2 :									

Structure Usage								
Last Now Explanation of Condition								
Channel General Rating	5	5						

		Maintenar	ice Recommendations						
Inspector Recommendations	Year	Inspector Comments	Department C	Comments			Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS			1				3		
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	ì								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 44.4/44	.4 Sufficiency Rating ((Last/Now) 50.7/50.6	Est.	Repl. Yr	2024	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			Department Comments						
Maintenance Reviewed By			Date			ı	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Dave Lam		Previous Assistant's Nan	ne E	ryce Claytor)			
Next Inspection Date	28-Sep-2014		Previous Inspection Date	ous Inspection Date 12-Mar-2008					
Inspection Cycle (Default) (months)	39		· · · · · · · · · · · · · · · · · · ·						
Comment									