			Bridge Culvert				2111							
Bridge File Nur	mber	77300 -1 Bridge Culvert					Form Type			CUL1				
Year Built		1971				Lot No.			3					
	dge or Town Name WRENTHAM						Inspector Name			Jon Davies				
Located Over	, , , , , , , , , , , , , , , , , , , ,						Inspector Class		BR CLS B	BR CLS B				
Located On							Assistant Name							
Water Body Cl.							Assistant Class							
Navigabil. Cl./Y	/ear						Inspection Date		06-Dec-2011					
Legal Land Loc	cation	ation NE SEC 15 TWP 6 RGE 17 W4					Data Entry By		Anne Roberts	Anne Roberts				
Longitude, Lati	tude	-112:12:24, 49:28:27						ntry Date	15-Jan-2012	15-Jan-2012				
Road Authority							Reviewer Name		Garry Roberts	Garry Roberts				
Contract Main.	nin. Area CMA24						Review Date		18-Dec-2011					
Clear Roadway	Clear Roadway/Skew 11.4 /						Dept. F	Reviewer Nar	ne Tim Davies					
AADT/Year		540 / 20	10 (A)				Dept. F	Review Date	18-Jan-2012					
Road Classifica	ation	RAU-21	1.8-110				Follow-	·Uр Ву						
Detour Length	(km)	3												
Bridge Culvert	t Inform	ation												
Number of Culv	verts		1											
Pipe #	Barrel		Span Rise (o		Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		1778	1981		RPP		24.4	152X51	2.8	PIPE ARCH			
Special Feature	es		CONC FLOO)R										
Special Feature	es Comi	ment												
					Ро	sting Ir	nformati	on						
Required Vert.														
Posted Vertical														
Posted: Lane			Bridge (m)	In Adva	ance (Y/N)	L	ane SB	On Bridge (m)	In Advan	ce (Y/N)			
Remarks	Not re	anuired							- · · · · · · · · · · · · · · · · · · ·	minavan	00 (1/14)			
		quircu						'		mravan	00 (1/14)			
Little Attackers		quircu			Uti	lities (L	_ocated	'	jun zmage (m)	minavam	00 (1711)			
Utility Attachme					Uti	lities (L		at)			(1/11)			
Telephone	ents				Uti	lities (L	Gas	at)	osses under road		(1/11)			
Telephone Power					Uti	lities (L	Gas Municip	at) Cropal	osses under road 2		66 (my			
Telephone Power Others					Uti	lities (L	Gas	at) Cropal	osses under road 2		66 (my			
Telephone Power							Gas Municip Probler	at) Cropal m (Y/N) No	osses under road 2					
Telephone Power Others				<u> </u>	pproac	ch Road	Gas Municip Probler	at) Cropal m (Y/N) No	osses under road :					
Telephone Power Others Remarks	West			<u> </u>	oproac Last	ch Road	Gas Municip Probler d / Emba	at) Cropal m (Y/N) No ankment pation of Cor	osses under road :					
Telephone Power Others Remarks Horizontal Align	West			<u> </u>	oproac Last	Now 7	Gas Municip Probler d / Emba Explan On gra	at) Cropal m (Y/N) No	osses under road a					
Telephone Power Others Remarks Horizontal Align Vertical Alignm	West		11.400	<u> </u>	oproac Last	ch Road	Gas Municip Probler d / Emba Explan On gra	at) Cropal m (Y/N) No ankment lation of Cordual curve.	osses under road a					
Telephone Power Others Remarks Horizontal Align	West		11.400	<u> </u>	oproac Last	Now 7	Gas Municip Probler d / Emba Explan On gra	at) Cropal m (Y/N) No ankment lation of Cordual curve.	osses under road a					
Telephone Power Others Remarks Horizontal Align Vertical Alignm	West		11.400	<u> </u>	oproac Last	Now 7	Gas Municip Problem / Emba Explan On gra Grade	at) Cropal m (Y/N) No ankment hation of Cordual curve. rises to the no	osses under road a	20 m south				
Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment	nment nent h (m)		11.400	<u> </u>	Doroad Last 7 5	Now 7 5	Gas Municip Problem / Emba Explan On gra Grade	at) Cropal m (Y/N) No ankment hation of Cordual curve. rises to the no	osses under road and and and and and and and and and a	20 m south				
Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (nment nent h (m)	R/W		<u> </u>	Doroad Last 7 5	Now 7 5	Gas Municip Problem / Emba Explan On gra Grade	at) Cropal m (Y/N) No ankment hation of Cordual curve. rises to the no	osses under road and and and and and and and and and a	20 m south				
Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (nment nent h (m)	R/W		<u> </u>	Doroad Last 7 5	Now 7 5	Gas Municip Probler / Emba Explan On gra Grade Ditch e	at) Cropal m (Y/N) No ankment lation of Cord dual curve. rises to the no	osses under road and ition orth /est of West invert	20 m south				
Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (nment nent h (m)	R/W	3.0	<u> </u>	Doroad Last 7 5	Now 7 5	Gas Municip Probler / Emba Explan On gra Grade Ditch e	at) Cropal m (Y/N) No ankment lation of Cord dual curve. rises to the no	osses under road and and and and and and and and and a	20 m south				
Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (nment nent h (m)	R/W	3.0 Yes		Doroad Last 7 5	Now 7 5	Gas Municip Probler / Emba Explan On gra Grade Ditch e	at) Cropal m (Y/N) No ankment lation of Cord dual curve. rises to the no	osses under road and ition orth /est of West invert	20 m south				
Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (nment nent h (m)	R/W	3.0 Yes		Deproace Last 7 5 7	Now 7 5	Gas Municip Probler / Emba Explan On gra Grade Ditch e	at) Cropal m (Y/N) No ankment lation of Cor dual curve. rises to the no rosion 8 m W	osses under road and ition orth /est of West invert	20 m south				
Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (nment nent h (m) _:1) over(m):	R/W	3.0 Yes	ating	Deproace Last 7 5 7	Now 7 5	Gas Municip Probler d / Emba Explan On gra Grade Ditch e	at) Cropal m (Y/N) No ankment lation of Cor dual curve. rises to the no rosion 8 m W	ndition orth /est of West invert	20 m south				
Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope ((Height of Co Guardrail (Y/N) Approach Roa	nment nent h (m) _:1) over(m):	R/W	3.0 Yes	ating	Diproace Last 7 5	Now 7 5 5	Gas Municip Probler d / Emba Explan On gra Grade Ditch e	at) Cropal m (Y/N) No ankment lation of Cor dual curve. rises to the no rosion 8 m W ail damage a	ndition orth /est of West invert	20 m south				
Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (nment nent h (m) _:1) over(m): ad / Eml	R/W	3.0 Yes	ating	Doroad Last 7 5	Now 7 5 5	Gas Municip Probler d / Emba Explan On gra Grade Ditch e	at) Cropal m (Y/N) No ankment lation of Cor dual curve. rises to the no rosion 8 m W ail damage a	ndition orth /est of West invert	20 m south				
Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (nment nent h (m) _:1) over(m): ad / Eml	R/W	3.0 Yes	ating	Doroad Last 7 5	Now 7 5 5	Gas Municip Probler d / Emba Explan On gra Grade Ditch e	at) Cropal m (Y/N) No ankment lation of Cor dual curve. rises to the no rosion 8 m W ail damage a	ndition orth /est of West invert	20 m south				

77300 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Wingwalls		Х	Х	
(Shape:)		<u>'</u>		
Cutoff Wall		Х	Х	
Bevel End		Х	Х	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		Х	7	
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		Х	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
				Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca		ın (mm): 1778	KRISE (MM): 1981, Type: RPP)
Barrel Last Accessible Date	06-Dec-2011			
Special Features				
Special Feature			7	
(Type : CONC FLOOR)		1	1	
Special Feature				
(Type:)				
Roof		5	5	Hole torn in roof 2nd ring
Measured Rise (mm)				from d/s done when installed - another piece csp places atop hole prior to backfill, 3.5m from D/S
Measured At Ring No.				3- holes at 500mmx100mm, in roof 2.2m from u/s end-outside of fill damage from mowers-patched w/ old steel sign over top and the
Sag (mm)	20			patched steel sign is damaged from the mowers
Percent Sag	1			Average 1860 measured from roof to concrete throughout. Estimate
Sidewall		6	6	
Measured Span (mm)	1820			
Measured At Ring No.	2			
Deflection (mm)	42			
Percent Deflection	2			
Floor		N	N	Concrete floor
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		7	6	
Separation (mm)	0			
Longitudinal Seams		5	5	5% of seams poorly nested - up to 20 mm gap. NORTH SIDE AT
Total No. of Cracked Rings	0			FLOOR.
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 1778	, Rise (mm): 1981, Type: RPP)
Coating		7	7	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N) No				
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		Х	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	
			ownetr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		E	INOW	Explanation of condition
End Treatment (Concrete, Steel, Others, None)	NONE	_		
Headwall		Х	Х	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		X	X	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)	150		1	
Scour Protection		X	7	
(Type : NATURAL)				
(Avg. Rock Size(mm):)			1	
Scour/Erosion		Х	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
				re Usage
		Last	Now	Explanation of Condition
Grade Separation			1	
Road Alignment		X	X	Grade at east end.
Roadway Surface		7	7	
(Type :)				Concrete- no dirt
Icing (Y/N)	No			
Traffic Safety Features		Х	Х	
Туре				

Structure Usage								
		Last	Now	Explanation of Condition				
Lighting		Х	X					
Barrel Leakage (Y/N)	No							
Drainage		7	7					
Structure In Use (Y/N) Yes			-	Guide fencing in place				
Grade Separation General Rating		7	7					

			Maintenance	Recommend	lations					
Inspector Recommendations	Yea	r Inspecto	or Comments	recomment	Department Cor	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS								90000		
PLACE ADDITIONAL RIP RAP										1
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LININ	G									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION		2 Replace	1 section of flex beam an	d 1 post at						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)		5/55.6	Sufficiency Rating (Last/		73.2/66.9	Est. Repl. Yr	2028	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	·				Department Comments					
Maintenance Reviewed By					Date		6	Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Tom				Previous	Assistant's Name					
Next Inspection Date	06-Sep-201	3		Previous	Inspection Date	24-Jun-2010)			
Inspection Cycle (Default) (months)	21			,						
Comment										