					Brida	e Culve	ert Inspe	ection					
Bridge File Number 06723 -1 Bridge Culvert				Энад	o ourre	rert Inspection Form Type			CUL1				
Year Built 1982						Lot No.			1				
Bridge or Town Name WARNER						or Name	<u> </u>	Jon Davies					
Located Over							Inspector Class		BR CLS B				
Located On		36:02 C1		<u>, </u>			Assistant Name						
Water Body Cl./Year							Assistant Class						
Navigabil. Cl./Ye							Inspection Date		06-Dec-2011				
Legal Land Loca		NW SEC					Data Entry By		Anne Roberts				
Longitude, Latitu	ıde	-112:12:	i i				Data Entry Date		14-Jan-2012				
						Reviewer Name		Garry Roberts					
Contract Main. Area CMA24						Review Date		18-Dec-2011					
Clear Roadway/S	Skew	11.3 /					Dept. Reviewer Name						
AADT/Year		540 / 20						Dept. Review Date		18-Jan-2012			
Road Classificat	ion	RAU-21	1.8-110				Follow-Up By						
Detour Length (k	(m)	10											
Bridge Culvert I	Inform	ation											
Number of Culve	erts	1		ı							I		
Pipe #	Barrel		Span	Rise (or I	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1 N	MAIN	-		1600		MP		58.6		68X13		ROUND	
Special Features	3												
Special Features	s Comr	ment											
					114	ilitios (I	ocated	at)					
Utility Attachmen	nts				Οι	iliues (L	-ocaleu	at)					
Telephone	West I	R/W					Gas						
Power 3 WIRE POWER EAST ROW						Municipal							
Others	O WIIX	LIOWL	IX ENOT IXOV				Problem (Y/N) No						
Remarks													
				Ar	proac	ch Road	l / Emb	ankment					
					Last	Now	Explanation of Condition						
Horizontal Alignr	ment				8	7	Hill 350 m to the south.						
Vertical Alignme	nt				6	6							
Roadway Width	Roadway Width (m) 11.300												
Embankment					8	7							
Sideslope (:	1)		6.0				Level over pipe at u/s.						
(Height of Cov		1.1)						vei pipe	at u/S.				
Guardrail (Y/N)			No										
Approach Road	l / Emb	oankmen	t General Rat	ing	6	6							
						Upstre	am End						
Culvert Compo	nent				Last	Now	Explan	ation of	Condi	tion			
Direction					W								
End Treatment (Others, None)	Concre	ete, Steel	NONE										
Headwall			Х	Х									
Collar			Х	Х									
Wingwalls			Х	Х									
(Shape:)													
Cutoff Wall			Х	X									

06723 -1 Bridge Culvert

			Unstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		X	X						
Heaving (mm)									
Invert Above/Below Stream Bed									
Above/Below (mm)	0								
Scour Protection	0	5	5						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 150)									
Scour/Erosion		5	5						
OCCUI/E103I0I1									
Beavers (Y/N)	No								
Upstream End General Rating		5	5						
		Brid	dge Cu	Ivert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	oan (mm	ı):	, Rise (mm): 1600, Type: MP)					
Barrel Last Accessible Date	06-Dec-2011								
Special Features									
Special Feature				1350 steel liner grouted in.					
(Type:)				Steel liner starts 3.4m from the west end and ends 21.7m from the east end.					
Special Feature				1350mm Diameter throughout liner					
(Type:)		'							
Roof		3	3	2nd Ring from D/S					
Measured Rise (mm)	1605			Isolated perforations in roof up to 10 mm in diameter d/s of liner					
Measured At Ring No.	10			Up ward					
Sag (mm)	5								
Percent Sag	1								
Sidewall		3	3	Inward					
Measured Span (mm)	1550			2nd ring from D/S					
Measured At Ring No.	10			Isolated perforatons in sidewall up to 10 mm in diameter, d/s of liner.					
Deflection (mm)	50								
Percent Deflection	3								
	3	NI.	N.	450-and desk water					
Floor	0	N	N	150mm dark water					
Bulge (mm)	0								
Measured At Ring No.	No								
Abrasion (Y/N)	INU	-	7	(DUDDED CACKETS ADOLIND FACIL OF ALL)					
Circumferential Seams	20	7	7	(RUBBER GASKETS AROUND EACH SEAM) 2002/10/07					
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		3	3	Isolated perforations in sidewall 8m past liner at D/S end.					
Corrosion By Soil (Y/N)	Yes			Scaling with pitting at side walls of 1600 mP Isolated perforations in roof up to 10 mm in diameter d/s of liner					
Corrosion By Water (Y/N)	Yes			isolated periorations in root up to 10 min in diameter u/s or iller					
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

	Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	, Rise (mm): 1600, Type: MP)									
Fish Passage Adequacy		Х	7							
Baffle			Х							
(Type:)										
Waterway Adequacy			5	(Has run full recently) 24 June 2010						
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		E								
End Treatment (Concrete, Steel, Others, None)	NONE									
Headwall		Х	Х							
Collar		Х	Х							
Wingwalls			Х							
(Shape:)										
Cutoff Wall		Х	Х							
Bevel End		X	X							
Heaving (mm)										
Invert Above/Below Stream Bed										
Above/Below (mm)	0									
Scour Protection		5	5							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 150)										
Scour/Erosion		5	5							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	5	5							
		s	tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			6	Canal takes a rounded 90 deg corner into inlet.						
Bank Stability			6							
HWM (m below Top of Culvert) 0.0				(Debris on banks indicate water to crown of pipe in last high water last week). 24 June 2010 No HWM visible						
Drift (Y/N) Yes										
Channel Bottom Degrading/Aggrading	AGGRADING									
Beavers (Y/N)	No									
(Fish Compensation Measure 1 : NONE)										
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		6	6							

		Maintenan	ce Recommen	dations					
Inspector Recommendations	Year Inspector Comments			Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS							gerren		
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	2012	Extend liner 10m further East							
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 (I (%)	_ast/Now)	45.7/45.6	Est. Repl. Yr	2021 Maint. Re		qd. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Stimated Total	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Tom Carey		Previous	s Assistant's Name					
Next Inspection Date	06-Sep-2013		s Inspection Date 24-Jun-2010						
Inspection Cycle (Default) (months)	21								
Comment									