Bridge Culvert Inspection													
Bridge File Number 80020 -1 Bridge Culvert					J		Form Type			CUL1			
Year Built 1984					Lot No.		4						
Bridge or Town Name RAYMOND			Inspe			nspector Name		Jon Davies					
Located Over RID			RID - IRRIGATION C, WATERCRS-IC				Inspector Class		BR CLS B				
Located On 844:								Assistant Name					
Water Body Cl./Year						Assistant Class							
Navigabil. Cl./Year						Inspection Date		11-Jun-2012					
Legal Land Location SW SEC 7 TWP 6 RGE 20 W			E 20 W4N	1		Data Entry By		Kelsey Roberts					
Longitude, Latitude -112:41:45, 49:27:13					Data Entry Date		24-Jun-2012						
			rta Transportation (AIT)				Reviewer Name			Garry Roberts			
Contract Main. Area CMA2		CMA25	A25				Review Date			15-Jun-2012			
		10 / 25 c	25 deg. (RHF)				Dept. Reviewer Name		Tim Davies				
		370 / 20) / 2011 (A)				Dept. Review Date		29-Jun-2012				
Road Classifica	ation	RCU-20	9-110				Follow-Up By						
Detour Length	(km)	3											
Bridge Culvert	Inform	nation											
Number of Culv	erts/		1										
Pipe #	Barrel		Span	Rise (or I	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	2	2130	1410		FP	23			68X13	3.5	ARCH	
Special Features													
Special Feature	es Comi	ment											
					11/4	ilitico (l	_ocated	24 \					
Utility Attachme	nte				Οι	ilities (L	-ocateu	al)					
Telephone WEST DITCH							Gas		100M	N. 40 M S., 35	M W		
Power 1 LINE EAST DITCH and crossing 25m			North	<u> </u>		Municipal							
Others			HOIL	1.		Problem (Y/N) No							
Remarks							1 10010	iii (171 4)	1110				
romano				Ar	proac	ch Road	d / Emb	ankment					
					Last	Now	Explanation of Condition						
Horizontal Alignment			7	7	Residential access both ends								
Vertical Alignment			9	9									
Roadway Width (m)		10.000				1:1 OVER PIPE							
Embankment	Embankment				6	6							
Sideslope (:1) 2.0		2.0											
(Height of Cover(m) : 1.4)													
Guardrail (Y/N) No													
Approach Roa	d / Eml	bankmen	t General Rat	ing	7	7							
						Upstre	am End						
Culvert Compo	onent				Last	Now	Explar	nation of	Condi	tion			
Direction							West						
End Treatment	(Concre	ete, Steel	, STEEL										
Others, None) Headwall					X	X							
Collar					Х	X							
Wingwalls					X	X							
			^										
Cutoff Wall	(Shape:)			X	X								
Cuton wan					^	^							

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Above/Below (mm) Scour Protection (Type: RIP RAP) (Avg. Rock Size(mm): 300) Scour/Erosion Beavers (Y/N) Upstream End General Rating Culvert Component (Pipe #: 1, Primary Span, Location	BELOW 600 No on Code: MAIN, Spa 19-Feb-2000	Last		Explanation of Condition submerged P.R. 6 19-Feb-2000
Bevel End Heaving (mm) Invert Above/Below Stream Bed E Above/Below (mm) Scour Protection (Type: RIP RAP) (Avg. Rock Size(mm): 300) Scour/Erosion Beavers (Y/N) Upstream End General Rating Culvert Component (Pipe #: 1, Primary Span, Location Barrel Last Accessible Date	No on Code: MAIN, Spa	6 6 Brit	6 6 dge Cu	submerged P.R. 6 19-Feb-2000
Invert Above/Below Stream Bed E Above/Below (mm) 6 Scour Protection (Type: RIP RAP) (Avg. Rock Size(mm): 300) Scour/Erosion Beavers (Y/N) N Upstream End General Rating Culvert Component (Pipe #: 1, Primary Span, Location Barrel Last Accessible Date	No on Code: MAIN, Spa	6 6 Brit	6 dge Cu	Ilvert Barrel
Invert Above/Below Stream Bed E Above/Below (mm) 6 Scour Protection (Type: RIP RAP) (Avg. Rock Size(mm): 300) Scour/Erosion Beavers (Y/N) N Upstream End General Rating Culvert Component (Pipe #: 1, Primary Span, Location Barrel Last Accessible Date	No on Code: MAIN, Spa	6 6 Brit	6 dge Cu	
Scour Protection (Type: RIP RAP) (Avg. Rock Size(mm): 300) Scour/Erosion Beavers (Y/N) Upstream End General Rating Culvert Component (Pipe #: 1, Primary Span, Location Barrel Last Accessible Date	No on Code: MAIN, Spa	6 6 Brit	6 dge Cu	
Scour Protection (Type: RIP RAP) (Avg. Rock Size(mm): 300) Scour/Erosion Beavers (Y/N) Upstream End General Rating Culvert Component (Pipe #: 1, Primary Span, Location Barrel Last Accessible Date	No on Code: MAIN, Spa	6 6 Brit	6 dge Cu	
(Type: RIP RAP) (Avg. Rock Size(mm): 300) Scour/Erosion Beavers (Y/N) Upstream End General Rating Culvert Component (Pipe #: 1, Primary Span, Location Barrel Last Accessible Date	on Code: MAIN, Spa	6 6 Brit	6 dge Cu	
(Avg. Rock Size(mm) : 300) Scour/Erosion Beavers (Y/N) Upstream End General Rating Culvert Component (Pipe # : 1, Primary Span, Location Barrel Last Accessible Date	on Code: MAIN, Spa	6 Brid	6 dge Cu	
Scour/Erosion Beavers (Y/N) Upstream End General Rating Culvert Component (Pipe # : 1, Primary Span, Location Barrel Last Accessible Date	on Code: MAIN, Spa	6 Brid	6 dge Cu	
Beavers (Y/N) Upstream End General Rating Culvert Component (Pipe # : 1, Primary Span, Location Barrel Last Accessible Date	on Code: MAIN, Spa	6 Brid	6 dge Cu	
Upstream End General Rating Culvert Component (Pipe # : 1, Primary Span, Location Barrel Last Accessible Date 1	on Code: MAIN, Spa	Brid	dge Cu	
Culvert Component (Pipe # : 1, Primary Span, Location Barrel Last Accessible Date 1		Brid	dge Cu	
Culvert Component (Pipe # : 1, Primary Span, Location Barrel Last Accessible Date 1		Brid	dge Cu	
(Pipe # : 1, Primary Span, Locatic Barrel Last Accessible Date 1		Last		
(Pipe # : 1, Primary Span, Locatic Barrel Last Accessible Date 1		Last		
(Pipe # : 1, Primary Span, Locatic Barrel Last Accessible Date 1			Now	Explanation of Condition
Barrel Last Accessible Date 1				·
				Not accessible due to high water level
Special Features				The account and to high mater level
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	N	P.R.4 7.8% estimated sag. 19-Feb-2000.
Measured Rise (mm)				Moderate roof sag at 1/2 length seen from U/S end.
Measured At Ring No.				
	110			
Percent Sag 7				
Sidewall		N	N	P.R.5 5.1% deflection, 19-Feb-2000.
Measured Span (mm)		IN	IN	1 .1x.3 3.1 % deflection. 19-1 eb-2000.
• • • • •				
Measured At Ring No.	110			
, ,	110 -			
Percent Deflection 5	0			
Floor		N	N	(300mm silt & 400mm of water) 2002/06/18
Bulge (mm)				-
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	(UPPER HALF OK (6) UPPER ONLY) 02/06/18
Separation (mm) 4	40			OF FEIX OINET) 02/00/10
Longitudinal Seams		X	X	
Total No. of Cracked Rings 0	0			
Total No. of Rings with Two Cracked Seams)			
Min. Remaining Steel Between Cracks (mm))			
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		N	N	(SIDEWALL SHOWING SOME PITTING)
Corrosion By Soil (Y/N)				02/06/18- P.R. 4
	Yes			
, , , , , , , , , , , , , , , , , , ,	NEG			
	No			

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		Bric		vert Barrel				
Culvert Component L (Pipe # : 1, Primary Span, Location Code: MAIN, Span		Last		Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 2130	, Rise (mm): 1410, Type: FP)				
Fish Passage Adequacy		5	5					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		4	4					
Icing (Y/N)	No			0.2m freeboard- 19-Jun-2000				
Silting (Y/N) Yes				0.2m neeboard- 13-3dn-2000				
Drift (Y/N)	No							
Barrel General Rating		4	4	GR carried forward				
		D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction				WEST				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	Х					
Bevel End		N	N	submerged				
Heaving (mm)	0			P.R. 6- 19-Feb-2000				
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	500							
Scour Protection		6	6					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		6	6					
Beavers (Y/N) No								
Downstream End General Rating		6	6					
		s	tructur	e Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		9	9					
Bank Stability		7	7					
HWM (m below Top of Culvert)	1.4			HWM not visible				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading AGGRADING								
Beavers (Y/N)	No							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	7					

			Maintenance Red	commendations				
Inspector Recomm	endations	Year	Inspector Comments	Department Con	nments	Target Year	Est. Cost	Cat #
SHOTCRETE REP	PAIRS							
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LINING								
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CUTOFF		OFF						
REPAIR SEAMS								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Conditi (%)	ion Rating (Last/No	ow) 44.4/44	.4 Sufficiency Rating (Last/N (%)	ow) 51.1/50.9	Est. Repl. Yr 20	20 Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection	Roof shape appears Aug/Sept/Oct insper	s stable. Recom ction barrel not	mend Level 11 inspection if next 2015 accessible- or reschedule to inspect from	Department Comments				
Maintenance Reviewed By				Date		Estimated Tota	I 0	
Proposed Long-Te	rm Strategy							
On 3-Year Progran	n (Y/N)							
Proposed Action								
Previous Inspector's Name Garry		Garry Roberts		Previous Assistant's Name				
Next Inspection Da	ate	11-Sep-2015		Previous Inspection Date				
Inspection Cycle (D	Default) (months)	39						
Comment	, , , , ,							