					Bridg	idge Culvert Inspection								
Bridge File Number 81150 -1 Bridge Culvert						Form Type			CUL1					
Year Built 1987						Lot No.			2					
Bridge or Town	Name		RDER TRIBUTARY TO REDWATER			Inspector Name		Melanie Johnson						
Located Over			8DER TRIBUT 6.63.8.3, WA			AIER	Inspector Class		BR CLS B					
Located On			C1 17.663				Assistant Name							
Water Body Cl./Year						Assistant Class				05.1.1.0044				
Navigabil. Cl./Year						Inspection Date  Data Entry By				05-Jul-2011				
Legal Land Loc		NW SEC	C 29 TWP 57	RGE 23 W	/4M		Data Entry Date		Theresa Lacusta					
			50, 53:57:42				Reviewer Name		Arnold Assenheimer					
			Fransportation (AIT)				Review Date		07-Jul-2011					
Contract Main. Area CMA09							Dept. Reviewer Name							
Clear Roadway	/Skew	8.8 / 0 d	eg.				Dept. Review Date		26-Jul-2011					
AADT/Year		990 / 20	10 (A)				Follow-Up By		ZO-JUI-ZU I I					
Road Classifica	ation	RLU-20	8G-90				Follow-Up by							
Detour Length	(km)	3												
Bridge Culvert		nation												
Number of Culv			1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Type		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		_	1600		MP		60		125X26	2.8	ROUND		
Special Feature				1000		IVII		00		120/120	2.0	ROOND		
Special Feature		ment												
Operation of the second														
					Uti	ilities (L	ocated	at)						
Utility Attachme														
-	Telephone East ditch.						Gas							
Power	1 line	e 18 m east c/l. 1 wire crosses Sou					Municip							
Others							Probler	n (Y/N)	No					
Remarks				Δ.		h Daar	d / Employ	an kun an t						
				A			/ Embankment Explanation of Condition							
Horizontal Align	nment				9	7	Resident entrances - 25m NW, SW 50m							
Vertical Alignm					7	7								
Roadway Width	1 (111)		8.800											
Embankment					7	7								
Sideslope (	_:1)		3.0											
(Height of Co	ver(m)	: 5.5)												
Guardrail (Y/N)			No											
Approach Roa	d / Emi	hankmar	ot Conoral Ba	ting	7	7								
Арргоасті Коа	iu / Eiiii	Dankinei	it General Ka	iting	'	'								
						Upstre	am End							
Culvert Compo	onent				Last	Now	Explan	ation of (	Condi	tion				
Direction					W		-							
End Treatment Others, None)	(Concre	ete, Stee	I, STEEL											
Headwall					Х	X								
Collar	Collar			Х	X									
Wingwalls			Х	Х										
(Shape: )														
Cutoff Wall														

81150 -1 Bridge Culvert

Upstream End											
Culvert Component		Last	Now	Explanation of Condition							
Bevel End		7	7	Rebar grate over lower half. Drift caught amongst grate.							
Heaving (mm)	0										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	300										
Scour Protection		7	7								
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 200)											
Scour/Erosion		7	7								
D ()(A))	\										
Beavers (Y/N)	Yes										
Upstream End General Rating		7	7	Beaver dam across inlet.							
Bridge Culvert Barrel											
Culvert Component	tion Code, MAIN Coe		Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca		n (mm	): 	, Rise (mm): 1600, Type: MP)							
Barrel Last Accessible Date	05-Jul-2011										
Special Features											
Special Feature											
(Type:)											
Special Feature											
(Type:)											
Roof		7	7								
Measured Rise (mm)	1565										
Measured At Ring No.	2										
Sag (mm)	35										
Percent Sag	2										
Sidewall			7								
Measured Span (mm)	1620										
Measured At Ring No.	2										
Deflection (mm)	20										
Percent Deflection	1										
Floor		7	7								
Bulge (mm)	0										
Measured At Ring No.											
Abrasion (Y/N)	No										
Circumferential Seams		6	6	At bevel sections.							
Separation (mm)	80										
Longitudinal Seams		Х	Х								
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		7	7								
Corrosion By Soil (Y/N)	No										
Corrosion By Water (Y/N)	Yes										
Camber POS/ZERO/NEG	ZERO										
Ponding (Y/N)	No										

Bridge Culvert Barrel											
Culvert Component			Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1600, Type: MP)							
Fish Passage Adequacy		4	4	D/S invert above streambed.							
Baffle			Х								
(Type:)											
Waterway Adequacy		7	7								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N)	No										
Barrel General Rating		7	7								
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction		E									
End Treatment (Concrete, Steel, Others, None)	STEEL										
Headwall		Х	X								
Collar			X								
Wingwalls			Х								
(Shape: )											
Cutoff Wall		Х	X								
Bevel End			7								
Heaving (mm) 0											
Invert Above/Below Stream Bed ABOVE											
Above/Below (mm) 500											
Scour Protection		7	7								
(Type : <b>RIP RAP</b> )											
(Avg. Rock Size(mm) : <b>200</b> )											
Scour/Erosion		7	7								
Beavers (Y/N)	No										
Downstream End General Ratio	ng	7	7								
		s	tructu	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment		8	8								
Bank Stability		8	8								
HWM (m below Top of Culvert)				HWM not visible.							
Drift (Y/N)	Yes										
Channel Bottom Degrading/Aggrading	DEGRADING										
Beavers (Y/N)	No										
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :											
Channel General Rating		8	8								

		Maintenance	Recommend	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comr	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		·							
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION	2011	Remove drift from grate U/S, bea	verdam.						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 77.8/7	7.8 Sufficiency Rating (La (%)	st/Now)	71.9/70.6	Est. Repl. Yr	2023	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Claude Jutras		Assistant's Name						
Next Inspection Date	05-Oct-2014		Previous	Inspection Date	04-Jul-2008				
Inspection Cycle (Default) (months)	39								
Comment									