Bridge Culvert Inspection													
Bridge File Number 81181 -1 Bridge Culvert							Form Type CUL1						
Year Built					Lot No.			3					
Bridge or Town	Name	AIL			Inspector Name		Owen Salava						
Located Over			RDER TRIBUTA K, 3.81.3.1, WA	4800	Inspector Class			BR CLS A					
Located On LOCAL						ant Name							
Water Body Cl.	/Year	. NONE			Assistant Class								
Navigabil. Cl./Y							Inspection Date			14-Mar-2013			
Legal Land Loc		NW SE	C 7 TWP 36 R	GF 27 W/	1N/I		Data Entry By			Marcia Chavez			
Longitude, Latit			1:25, 52:04:60		Data Entry Date			27-Mar-2013					
			Transportation			Reviewer Name			John O'Brien				
-		FINED CMA		Review Date			17-Mar-2013						
			deg. (RHF)		Dept. Reviewer Name								
AADT/Year	7011011	89 / 20					Dept. Review Date			28-Mar-2013			
Road Classifica	ation	RLU-20					Follow-Up By						
Detour Length		1											
Bridge Culvert Information													
Number of Culverts 1													
Pipe #	Barrel		Span			Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN		3587	2535		RPE		30.5		152X51	3.0	ELLIPSE	
Special Feature	es												
Special Feature													
Utilities (Located at)  Utility Attachments													
Telephone			Gas										
Power					Munici	nal							
Others							Problem (Y/N) No						
Remarks													
Approach Road / Embankment													
						Now	Explanation of Condition						
Horizontal Alignment					4	4	Sharp curves through culvert area. R/W 125m North of pipe.						
Vertical Alignment				6	6	R/W 12	25m Norti	n of pip	oe.				
Roadway Width (m)			8.000										
Embankment					6	6							
Sideslope (	_:1)		1.0										
(Height of Cover(m) : <b>1.8</b> )													
Guardrail (Y/N)		Yes			Damag	ge to NW	turned	down end.					
Approach Road / Embankment			nt General Rating		4	4							
						Upstre	am Enc	1					
Culvert Compo	onent				Last	Now	1	nation of	Condi	tion			
Direction					E	11011			<del></del>				
End Treatment (Concrete, Steel, Others, None)													
Headwall					Х	Х							
Collar			Х	Х									
Wingwalls				Х	Х								
(Shape: )													
Cutoff Wall				X	X								

			Upstre	am End
Culvert Component		Last		Explanation of Condition
Bevel End	1	7	7	
Heaving (mm)	200			
Invert Above/Below Stream Bed				
Above/Below (mm)	300			
Scour Protection	1000	7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>300</b> )				
Scour/Erosion		7	7	
Occur, E103i0i1			_ ′	
Beavers (Y/N)	No			
			_	
Upstream End General Rating		7	7	
		Brid	dge Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN,			·
Barrel Last Accessible Date	14-Mar-2013			
Special Features				
Special Feature				
(Type:)			1	
Special Feature				
(Type:)			_	
Roof	I	7	7	Unable to measure; 1.2m to ice.
Measured Rise (mm)	2462			
Measured At Ring No.	5			
Sag (mm)	73			(2.9%. 12Aug2011).
Percent Sag				
Sidewall		7	7	Unable to measure; 1.2m to ice.
Measured Span (mm)	3660			
Measured At Ring No.	5			
Deflection (mm)	73			(12Aug2011)
Percent Deflection	2			
Floor		N	N	Under ice.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	8	
Separation (mm)	0			
Longitudinal Seams		8	8	
Total No. of Cracked Rings	0			1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	No			
Coating		8	8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
	1			

		Bric	dge Cu	Ivert Barrel						
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 3587	, Rise (mm): 2535, Type: RPE)						
Fish Passage Adequacy		8	8							
Baffle		Х	Х							
(Type : )										
Waterway Adequacy		8	8							
Icing (Y/N)	No									
Silting (Y/N)										
Drift (Y/N)	No									
Barrel General Rating		7	7							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		W		Overgrown with brush.						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall			X							
Collar		Х	Х							
Wingwalls		Х	Х							
(Shape: )										
Cutoff Wall		Х	Х							
Bevel End		7	7							
Heaving (mm)	200									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	300									
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		7	7							
Beavers (Y/N) No										
Downstream End General Ratir	ng	7	7							
		s	tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		7	7	Gentle curves. BF 01842, 200m D/S.						
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 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		7	7							

81181 -1 Bridge Culvert

Maintenance Recommendations												
Inspector Recommendations		Year Inspector Comments				Department Com	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	FF											
REPAIR SEAMS												
OTHER ACTION	;	2013	Replace	NW turndown end.								
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		77.8/77.	8	Sufficiency Rating (Last	t/Now)	71.8/71.8	Est. Repl. Yr	2042	Maint. Re	qd. (Y/N)	Yes	
Special Comments for Next Inspection  Department Comments												
Maintenance Reviewed By						Date		E	Estimated Tota	0		
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Ow		Owen Salava				Previous Assistant's Name						
Next Inspection Date	14-Dec-	-2017			Previous	revious Inspection Date 12-Aug-2011						
Inspection Cycle (Default) (months) 5												
Comment												