Bridge Culvert Inspection															
Bridge File Num	ber 7	72884 -1 Bridge Culvert					Form Type		CUL1						
Year Built 19		1995				Lot No.		4							
Bridge or Town Name SL		SUNDRE						Inspector Name		Owen Salava					
Located Over	E	BEARBERRY CREEK, 3.98, WA				ATERCRS-		Inspector Class		BR CLS A					
		51					Assistant Name								
Motor Rody CL/Voor			584:02 C1 20.343					nt Class							
Vvater Body CI./Year								ion Date		27-Oct-2011					
Navigabil. Cl./Year								ntry By		Marcia Chavez					
Legal Land Location NVV		114 50 57 54 50 40					Data Entry Date			29-Nov-2011					
Longitude, Latitude -1		-114.53	.57, 51.50.12			Reviewer Name		John O'Brien							
Contract Main Area							Review Date			14-Nov-2011					
Contract Main. Area Ci							Dept. Reviewer Name			Andrew Smikles					
Clear Roadway/Skew 9.		9.57 - 19 ueg. (L□F) 470 / 2010 (A)					Dept. Review Date		02-Dec-2011						
Road Classificat	tion I	+/0/2010 (A) RALL-200-110						Follow-Up By							
Detour Length (I	km) ⁴	5	5 110				-								
Bridge Culvert Information															
Number of Culverts 1															
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape			
1 1	MAIN		-	5070		SP		63.4		152X51	4.0	ROUND			
Special Feature	Special Features														
Special Features Comment															
								4							
Utilities (Located at)															
Telephone Weet r/w															
Power	Westli						Municir	nal							
Others							Probler	Problem (Y/N) Yes							
Remarks	Phone cable through pipe. Cable loose					anging	- photo.		100						
Approach Road / Embankment															
						Now	Explan	Explanation of Condition							
Horizontal Alignment							Hill to South & North.								
Vertical Alignment					6	6	No pas	sing.							
Roadway Width (m)			9.500												
Embankment						7	Some 25mm settlement in ACP @ pipe. Flat over pipe @ bottom of								
Sideslope (:	:1)		3.0				slope.								
(Height of Cov	/er(m) : :	3.9)													
Guardrail (Y/N)		Yes													
Approach Road	d / Emba	ankmer	nt General Rat	ing	6	6									
						Upstre	am End								
Culvert Compo	nent				Last	Now	Explan	ation of	Condi	tion					
Direction			W		-										
End Treatment (Concrete, Steel, CONCRETE Others, None)															
Headwall				8	8										
Collar			7	7	5mm wide cracks.										
Wingwalls				X	Х										
(Shape :)															
Cutoff Wall					N	N	Subme	rged.							

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	1		Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection			7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion			7	
Beavers (Y/N)	No		1	
Upstream End General Rating			7	
		Bric	lae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 5070, Type: SP)
Barrel Last Accessible Date	15-Mar-2006		/	Deep water with thin ice; viewed from both ends, shape looks good.
Special Features				
Special Feature				
(Type:)		1		
Special Feature				
(Type :)				
Roof		8	8	
Measured Rise (mm)			0	
Measured At Ring No				-
Sag (mm)				
Percent Sag				-
Sidewall		8	8	
Measured Span (mm)			0	
Measured At Ring No				-
Deflection (mm)				-
Percent Deflection				
Floor		N	N	(1000mm silt with 600mm deep water 15/Mar/2006)
Bulge (mm)				
Measured At Ring No				-
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)		IN	IN	
		N	N	(15/Mar/2006)
Total No. of Crocked Bings	0	IN	IN	(1.5/19/ai/2000)
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel				
	No			
	No			
Conting		6	C	Come runt coming through half hales @ couth
	Voo	0	ю	Some rust coming through boit noies @ south.
Corresion By Soli (Y/N)	T es			-
Camper POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):	, Rise (mm): 5070, Type: SP)						
Fish Passage Adequacy		8	8							
Baffle		N	N							
(Туре :)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	Yes									
Drift (Y/N)	No									
Barrel General Rating		N	N	G.R. was "8" from 15/Mar/2006.						
Downstream End										
Culvert Component			Now	Explanation of Condition						
Direction	Direction									
End Treatment (Concrete, Steel, Others, None)	d Treatment (Concrete, Steel, CONCRETE ners, None)									
Headwall	Headwall									
Collar			7	5mm wide cracks.						
Wingwalls		Х	Х							
(Shape :)										
Cutoff Wall		N	N	Submerged.						
Bevel End		8	8							
Heaving (mm)	Heaving (mm) 0									
nvert Above/Below Stream Bed BELOW										
Above/Below (mm)	1000									
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 400)										
Scour/Erosion			7							
Beavers (Y/N)	vers (Y/N) No									
Downstream End General Rating			7							
		s	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			7							
Bank Stability			4	3oth banks sloughing in - photos.						
HWM (m below Top of Culvert)	0.5			Grass in bushes @ U/S & D/S.						
Drift (Y/N) No										
Channel Bottom DEGRADING Degrading/Aggrading				Small dam in U/S channel - photo.						
Beavers (Y/N)	Beavers (Y/N) Yes									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			4							

Maintenance Recommendations												
Inspector Recommendations		Year	Inspecto	or Comments		Department Cor	nments			Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING	i											
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	DFF											
REPAIR SEAMS												
OTHER ACTION		2012	Remove phone cable from inside culvert & through road fill.									
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		55.6/55.6		Sufficiency Rating (Last (%)	iency Rating (Last/Now)		Est.	st. Repl. Yr 2047		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	2006.0	2006.07.28 With normal maintenance culvert should be good until 2050.										
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Day		am			Previous	Assistant's Name						
Next Inspection Date 2		-2015			Previous	Inspection Date 24-Sep-2009						
Inspection Cycle (Default) (months)	39											
Comment												