					Brida	o Culve	art Inen	action					
Bridge File Nur	mber	75185 -1		Бпад	e Cuive	ert Inspection Form Type			CULM				
Bridge File Number 75185 -1 Bridge Culvert Year Built 2000						Lot No.			3				
Bridge or Town Name RAINIER						Inspector Name			Jon Davies				
Located Over	i i i i i i i						Inspector Class			BR CLS B			
Located On							Assistant Name		B. (626 B				
Water Body Cl./Year				Assistant C									
Navigabil. Cl./Year								tion Date		22-Mar-2012			
Legal Land Loc							Data Entry By		Anne Roberts				
								Data Entry Date		16-Apr-2012			
								Reviewer Name		Garry Roberts			
		CMA23						Review Date		24-Mar-2012			
		10.5 /					Dept. Reviewer Name						
AADT/Year	, OKON	400 / 20	11 (A)				Dept. Review Date		17-Apr-2012				
Road Classifica	ation	RCU-209					Follow-						
Detour Length		20					. 0011	OP D,					
Bridge Culver													
Number of Cul		2	2										
Pipe #	Barrel			Rise (or I	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	-		3300		MP		24		125X26	2.8	ROUND	
2	MAIN	-		3300		MP		24		125X26	2.8	ROUND	
Special Feature								'					
Special Feature		ment											
1													
					Uti	ilities (L	ocated	at)					
Utility Attachme	ents												
Telephone	South	ditch				Gas		Cross	ing 30 m East				
Power		150m W					Municip						
Others	Fibre	optic cabl	le on South RC)W			Proble	m (Y/N)	No				
Remarks													
								ankment					
Horizontal Aligi	omont				Last 5	Now 6	1	ation of					
Vertical Alignm					6	7	curves	Located in middle of back to back curves					
Roadway Widtl			9.600		0	1							
Roadway Widti	1 (111)		9.600										
Embankment					8	7							
Sideslope (_	_:1)		3.0										
(Height of Co	ver(m) :	0.6)											
Guardrail (Y/N)			Yes				Collision damage at NE guardrail						
Approach Roa	d / Eml	bankmen	t General Rati	ing	5	6							
						Upstre	am End						
Culvert Comp	onent				Last			ation of	Condi	tion			
(Pipe # : 1, Sp	an Type	e: Primar	y Span)										
Direction							SW						
End Treatment (Concrete, Steel, Others, None)		, CONCRETE											
Headwall					8	8							
Collar			8	8									
Wingwalls	Wingwalls				Х	Х							
(Shape:)	(Shape:)												

			Unctro	om End
Culvert Component		Last		am End Explanation of Condition
(Pipe # : 1, Span Type: Primary	(Span)	Last	INOW	Explanation of Condition
Cutoff Wall	y Spail)	Х	N	
Cuton wan		^	IN	
Bevel End		8	8	
Heaving (mm) 0				
Invert Above/Below Stream Bed BELOW				
Above/Below (mm)	1000			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		8	8	
5 0440				
Beavers (Y/N)	No			
Upstream End General Rating	'	8	8	
5				
				Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca		ın (mm	1):	, Rise (mm): 3300, Type: MP)
Barrel Last Accessible Date	28-Apr-2000			West pipe
Special Features				
Special Feature				1200mm of water in barrel - not accessible
(Type:)				Viewed from ends - shape looks good
Special Feature				
(Type:)				
Roof		N	N	
Measured Rise (mm)	3290			
Measured At Ring No.				
Sag (mm)	0			
Percent Sag	0			
Sidewall		N	N	
Measured Span (mm)	3316			
Measured At Ring No.				
Deflection (mm)	10			
Percent Deflection	0			
Floor		N	N	Inward deflection
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	N	
Separation (mm) 25				
Longitudinal Seams		Х	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N) Yes				
Longitudinal Stagger (Y/N) Yes				
Coating		7	7	Sidewall roof seen
Corrosion By Soil (Y/N) No				
Corrosion By Water (Y/N)	No			

75185 -1 Bridge Culvert

		Brid	dge Cu	lvert Barrel
Culvert Component L			Now	Explanation of Condition
(Pipe #: 1, Primary Span, Location Code: MAIN, Span):	, Rise (mm): 3300, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	7	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	N	
		D		eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	y Span)			
Direction	ı			NW
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		8	8	
Collar		8	7	
Wingwalls		X	X	
(Shape:)			_	
Cutoff Wall		Х	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		8	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	7	
				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction				SE
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		8	8	
Collar		8	8	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall			N	

			Unctro	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Snan)	Lasi	INOW	Explanation of Condition
Bevel End	ary Spari)	8	8	
	0	0	0	
Heaving (mm)	0			
Invert Above/Below Stream Bed BELOW				_
Above/Below (mm)	1000	8		
Scour Protection			8	
(Type: RIP RAP)				_
(Avg. Rock Size(mm) : 300)			Τ.	
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Bri	dae Cu	llvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN.			, Rise (mm): 3300, Type: MP)
Barrel Last Accessible Date	28-Apr-2000		, -	East pipe
Special Features				
Special Feature				1200mm of water in barrel - not accessible
Special Feature				Viewed form ends - shape looks good
(Type:)			1	-
Special Feature				
(Type:)			1	
Roof	I	N	N	
Measured Rise (mm)	3278			_
Measured At Ring No.				
Sag (mm)	0			_
Percent Sag	0			
Sidewall		N	N	Inward deflection
Measured Span (mm)	3324			
Measured At Ring No.				
Deflection (mm)	22			
Percent Deflection				
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	N	
Separation (mm)	25			
Longitudinal Seams		Х	X	
Total No. of Cracked Rings	0			-
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel 0 Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N) Yes				
Coating		7	7	sidewall & Roof seen
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG ZERO				
Samon Co/LENO/NEO				

Bridge Inspection & Maintenance System (Web 2005)

75185 -1 Bridge Culvert

		Brid	dge Cu	lvert Barrel				
Culvert Component		Last	Now	•				
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 3300, Type: MP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		Х	7					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		9	9					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		N	N					
		D	ownstr	ream End				
Culvert Component				Explanation of Condition				
(Pipe # : 2, Span Type: Second	ary Span)							
Direction	<u> </u>			NE				
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		8	8					
Collar		8	7					
Wingwalls		Х	Х					
(Shape:)		1						
Cutoff Wall		Х	N					
Bevel End		8	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	1000							
Scour Protection		8	7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)		1						
Scour/Erosion		8	7					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	8	7					
		•	Structu	re Usage				
		Last	1	Explanation of Condition				
Channel (U/S and D/S)	<u> </u>	Last	11011	Explanation of condition				
Alignment		7	7	Curves d/s				
Bank Stability		7	7					
HWM (m below Top of Culvert)	0.5			20090417				
Drift (Y/N) No				No HWM visible				
Channel Bottom Degrading/Aggrading NONE								
Beavers (Y/N)	No							
(Fish Compensation Measure 1 : NONE)								
(Fish Compensation Measure 2 :								
Channel General Rating	7	7						

75185 -1 Bridge Culvert

		Maintenan	ce Recommendations						
Inspector Recommendations	Year	Inspector Comments		ent Commer	nts		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING									
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION		Repair NE corner of guardrail-1 new 3m radius piece and rest 2	new post & 1 2 posts						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 55.6/5	Sufficiency Rating (I (%)	_ast/Now) 74.0/73.2	Es	t. Repl. Yr	2055	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Departme Comment	ent s					
Maintenance Reviewed By			Date			E	stimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Tim Davies		Previous Assistant's	Previous Assistant's Name					
Next Inspection Date	22-Jun-2015		Previous Inspection	Previous Inspection Date 17-Apr-2009					
Inspection Cycle (Default) (months)	39								
Comment									