Bridge Culvert Inspection													
Bridge File Nur	mher	77494 -1	Bridge Culver		Бпад	e Cuive	Form Type			CULM			
Year Built	11001	1980						Lot No.		1			
Bridge or Town Name LONGVIEW						Inspector Name			Garry Roberts				
Located Over MIST CREEK, 2.13.27.41, WATE				FRCR	S-ST	Inspector Class			BR CLS A				
Located On 40:10 C1 20.931					.	Assistant Name			DR CLO A				
Water Body Cl./Year						Assista							
Navigabil. Cl./Y							Inspection Date			24-Jun-2011			
Legal Land Loc		SW SEC	13 TWP 18 R	GE 7 W5	M			Data Entry By Alyssa Boynton					
Longitude, Lati			0, 50:31:05					Data Entry Date		13-Jul-2011			
Road Authority							Reviewer Name			Tom Carey			
Contract Main. Area CMA28						Review Date			28-Jun-2011				
Clear Roadway		11 / 15 de	ea. (RHF)				Dept. R	eviewer Nar					
AADT/Year		440 / 201					Dept. Review Date			15-Jul-2011			
Road Classifica	ation	RAU-209					Follow-I						
Detour Length		50						-1 7					
Bridge Culver													
Number of Cul		2											
Pipe #	Barrel	S	pan	Rise (or I	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	6	123	4142		RPE		43.3		152X51	5.0	ELLIPSE	
2	MAIN	10	660	1090		FP		43.3				ARCH	
Special Feature	es												
Special Feature	es Comi	ment											
					Uti	ilities (L	ocated :	at)					
Utility Attachme	ents												
Telephone							Gas						
Power							Municip						
Others							Problem	n (Y/N)					
Remarks	Mist C	геек.		Δ.		sh Door	d / Embo	nkmont					
				AŞ			Evolan	ation of Co	nditi	ion			
Horizontal Aligi	nment				6	6		t both ends.		1011			
Vertical Alignm					7	7							
Roadway Widtl			11.000		<u> </u>								
	()												
Embankment					7	7							
Sideslope (4.0										
(Height of Co		2.2)											
Guardrail (Y/N)			No										
Approach Roa	nd / Eml	bankment	General Rati	ing	6	6							
Culvert Com	onest						am End	otion of Co	n el ! t '	on			
Culvert Comp		a. Driman	(Snan)		Last	Now	⊤⊏xpiana	ation of Co	naiti	UII			
Direction	ан тур	o. i iiiiai y	орап)		E								
End Treatment	(Concre	ete, Steel,	CONCRETE		_								
Others, None) Headwall			7	7	2 transv	2 transverse cracks							
Collar					7	7	Many na	arrow cracks	S				
Wingwalls					Х	X							
(Shape:)													

77494 -1 Bridge Culvert

Upstream End								
Culvert Component		Last		Explanation of Condition				
(Pipe # : 1, Span Type: Primary	/ Span)		1					
Cutoff Wall		N	N	Buried				
Bevel End	I	7	7					
Heaving (mm)	100							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	1200							
Scour Protection		8 8		Class 3 along SE bank and toe of NE bank.				
(Type : RIP RAP)				Dank.				
(Avg. Rock Size(mm): 800)								
Scour/Erosion		8	8					
Beavers (Y/N)	No							
Deavers (1/IV)	INO							
Upstream End General Rating		7	7					
Culvent Comment				Ivert Barrel				
Culvert Component	tion Code: MAIN Co	Last		Explanation of Condition				
(Pipe # : 1, Primary Span, Loca		in (inin	1): 6123					
Barrel Last Accessible Date	04-Oct-2009			Not accessible - water to fast and deep.				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		5	N	(Roof has flatness when viewed				
Measured Rise (mm)				from both ends. ROOF ESTIMATE Unable to obtain rise rock on entire floor.) Oct. 2009				
Measured At Ring No.				P.R. 5				
Sag (mm)	200							
Percent Sag	4							
Sidewall		3	N	Due to cracks.				
Measured Span (mm)	6480			P.R. 3				
Measured At Ring No.	6			1 3				
Deflection (mm)	357							
Percent Deflection	5							
Floor		N	N	Rock covered				
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)								
Circumferential Seams		6	N	P.R. 6				
Separation (mm)	0							
Longitudinal Seams		3	N	Cracks in S longit. sidewall seam.				
Total No. of Cracked Rings	8			Ring 1: 7 bolts, 105mm rem. steel				
Total No. of Rings with Two Cracked Seams				Ring 2:24 bolts, 82mm rem. steel Ring 3-105mm rem. steel				
Min. Remaining Steel Between Cracks (mm) 65				Ring 4:24 bolts, 77mm rem. steel, Ring 5:24 bolts, 82mm rem. steel				
Proper Lap (Y/N)	No			Ring 6:24 bolts, 65mm rem. steel - photo				
Longitudinal Stagger (Y/N) No				Ring 7:24 bolts, 90mm rem. steel,				
				Ring 8:7 bolts, 95mm remaining steel 100mm sag at roof, longit seams, gap of 3mm between plates				

		Bric	dge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 6123	, Rise (mm): 4142, Type: RPE)				
Coating		6	N	Minor Abrasion and superficial corrosion.				
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N)	No							
Fish Passage Adequacy		6	6					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	6	Up to 1500mm dp rock @ U/S half.				
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		3	3	Carried forward.				
		D		ream End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 1, Span Type: Primary	y Span)							
Direction		W						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	X					
Collar		Х	Х					
Wingwalls		X	X					
(Shape:)								
Cutoff Wall		Х	X					
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	1200							
Scour Protection		8	8	Avg. 400mm rock @ SW				
(Type : RIP RAP)				1000mm rock @ NW				
(Avg. Rock Size(mm) : 800)								
Scour/Erosion		8	8					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	8	7					
Upstream End								
Culvert Component				Explanation of Condition				
(Pipe # : 2, Span Type: Second	ary Span)			, , , , , , , , , , , , , , , , , , , ,				
Direction		E						
End Treatment (Concrete, Steel, Others, None)	NONE							
Headwall		Х	Х					
Collar		X	X					

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		Х	Х	Entire end covered in 800mm riprap
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		8	8	
(Type : RIP RAP)				
Scour Protection (Type: RIP RAP) (Avg. Rock Size(mm): 800) Scour/Erosion Beavers (Y/N) Upstream End General Rating				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Brio	dge Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm): 10	660, Rise (mm): 1090, Type: FP)
Barrel Last Accessible Date	22-Jan-2004			Unable to enter - entire pipe silted in
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)	0			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings		1.		1
Total No. of Rings with Two				1
Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm): 16	660, Rise (mm): 1090, Type: FP)
Coating		N	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		5	4	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		5	4	
Icing (Y/N)	No			Full.
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		N	4	
- C				
		1		ream End
Culvert Component	_ ,	Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction		W		
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		Х	Х	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		8	8	Entire end covered by 1000mm riprap.
(Type : RIP RAP)				
(Avg. Rock Size(mm): 800)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	8	
		S	Struc <u>tu</u>	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		6	6	Curves @ both ends
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			I IVVIVI NOL VISIDIC.
				4

Structure Usage						
		Last	Now	Explanation of Condition		
Channel Bottom Degrading/Aggrading						
Beavers (Y/N)	No					
(Fish Compensation Measure 1 :	NONE)					
(Fish Compensation Measure 2 :	NONE)					
Channel General Rating 6 6						

Bridge Inspection & Maintenance System (Web 2005)

		Maintenance Ro	ecommendations				
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	i						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS							
OTHER ACTION	2015	Shotcrete repair along entire south seam.	sidewall				
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	ow) 33.3/3	3.3 Sufficiency Rating (Last/	(Now) 48.4/37.4	Est. Repl. Yr 2020	Maint. Re	eqd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	I 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	24-Mar-2013		Previous Inspection Date	04-Oct-2009			
Inspection Cycle (Default) (months)	21		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Comment							