					Brida	a Culve	ert Inspe	ection						
Bridge File Nu	ridge File Number 01173 -1 Bridge Culvert					e Cuive	Form T			CUL1				
Year Built 1966				71 L			Lot No.		4					
Bridge or Towr	n Nama		NWOOD						Calvin Roberts					
Located Over	ITTVAITIC		S COULEE, 2.	12 22 5 7			Inspector Class BR CLS B							
Located Over		WATER	RCRS-ST	12.22.0.7,			· ·	Assistant Name						
Located On		507:04	C1 33.517				Assistant Class							
Water Body Cl./Year							Inspection Date		28-Nov-2012					
Navigabil. Cl./Year							Data Entry By			Lauren Korte				
		3 TMD 6 DCE 27 M/M				Data Entry Date		13-Dec-2012						
		3·30·44 40·26·11					er Name		Garry Roberts					
· ·		Transportation (AIT)			Review Date		02-Dec-2012							
Contract Main. Area CMA26						Dept. Reviewer Name								
Clear Roadway/Skew 9.8 /						Dept. Review Date		27-Dec-2012						
AADT/Year		300 / 20	011 (A)				Follow-Up By		21-060-2012					
Road Classific	ation	RCU-20	08-110				- Silow-op by							
Detour Length	(km)	5												
Bridge Culver		ation												
Number of Cul	lverts		1							I	1			
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		3150	3530		SPE		61.2		152X75	THICKHESS	ELLIPSE		
Special Featur			3130	3330		OI L		01.2		132773		LLLII OL		
Special Featur		ment												
Opeciai i catui	C3 COIII	mem												
					Ut	ilities (L	ocated	at)						
Utility Attachm	ents													
Telephone							Gas							
Power 3 Wire crosses 50m East.					Municipal									
Others					Problem (Y/N) No			No						
Remarks														
				Ap				/ Embankment						
							Explanation of Condition							
	Horizontal Alignment				7	7	Bottom of sag curve, poor sight distance. West bound, r/a enters 50 m to East.							
Vertical Alignm	Vertical Alignment				5	5								
Roadway Width (m)		8.200												
Funds and suns a set						Steep over pipe.								
Embankment	.1)		1.5			3	Steep	Otoop over pipe.						
Sideslope (. 7 4)	1.5				-							
Guardrail (Y/N		. 7.4)	No											
Guardian (1/N)		INO											
Approach Roa	ad / Eml	bankme	nt General Ra	ting	5	5								
				-										
Culve et C					1.5.4		am End			tion				
Culvert Comp	onent				Last	Now		ation of C	ondi	UON				
Direction End Treatment	t (Conor	oto Star	CONCRET	=			North.							
Others, None)	t (Concr	eie, 3186	51, CONCRETI	_										
Headwall			-			X								
Collar					6	6	Some cracking- concrete shoulder beside collar.							
Wingwalls					Х	X								
Wingwalls (Shape:)														
Cutoff Wall	,				5	5	Cracked and spalled, still functioning.							
Cuton wan							Cracke	a ana spa	u, 3	ranodoning.				

01173 -1 Bridge Culvert

			Unctre	am End
Culvert Component				am End
Culvert Component Bevel End		Last 7	Now 7	Explanation of Condition
	0	1	1	
Heaving (mm) Invert Above/Below Stream Bed				
	-			
Above/Below (mm)	600	-		
Scour Protection		7	7	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 400)			Ι_	
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	5	
		Del	dae Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN			· •
Barrel Last Accessible Date	28-Nov-2012	Span (IIII	.,. 5150	, 1.100 ()
Dailei Lasi Accessible Dale	ZU-1NUV-ZU1Z			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	7	Rings are numbered incorrectly.
Measured Rise (mm)	3512			,
Measured At Ring No.	12			
Sag (mm)	18			
Percent Sag	1			
Sidewall		5	5	
Measured Span (mm)	3174			
Measured At Ring No.	12			
Deflection (mm)	24			
Percent Deflection	1			
Floor		7	7	
Bulge (mm)	0		'	
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	6	Isolated, loose or missing bolts.
Separation (mm)	0		U	isolated, 10036 of Illisoling Dolts.
	V	5		Ping 1 missing 7 puts in West well
Longitudinal Seams Total No. of Cracked Rings	0	5	5	Ring 1 missing 7 nuts in West wall. Ring 2 missing 5 nuts in West wall.
Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams	0			Ring 4 missing 3 nuts in West wall. Ring 5 missing 5 nuts in West wall. Ring 3, 6, 9 missing 1 nut in West wall.
Min. Remaining Steel Between Cracks (mm)	0			1N stagger.
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		4	4	Rust with some light pitting on floor.
Corrosion By Soil (Y/N)	Yes		-	Alkali staining at upper seams, East sidewall.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Samon Too/ZERO/NEO				
Ponding (Y/N)	No			

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Location Code: MAIN, Span (mm): 3150, Rise (mm): 3530, Type: SPE)										
Fish Passage Adequacy		7	7							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		5	5							
		D	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
Direction				South.						
End Treatment (Concrete, Steel, Others, None)	CONCRETE									
Headwall		Х	Х							
Collar		Х	7							
Wingwalls		Х	Х							
(Shape:)										
Cutoff Wall		Х	7							
Bevel End		7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	500									
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 400)			1							
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	7	7							
		S	tructu	e Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		7	7							
Bank Stability		6	6							
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 :										
(Fish Compensation Measure 2 :	NONE)	_	_							
Channel General Rating		7	7							

		Maintenance I	Recommend	dations					
Inspector Recommendations	Year Inspector Comments			Department Comm	nents	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									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 55.6/5	5.6 Sufficiency Rating (Las	t/Now)	67.3/65.4	Est. Repl. Yr	2030	Maint. Re	qd. (Y/N)	No
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	Garry Roberts	3	Assistant's Name						
Next Inspection Date	28-Feb-2016		Inspection Date 09-Sep-2009						
Inspection Cycle (Default) (months)	39								
Comment									