Bridge Culvert Inspection														
Bridge File Num	ber 7	'1878 -	1 Bridge Culve	rt			Form 7	7.		CUL1				
Year Built		983					Lot No.			4				
Bridge or Town I	Name E	EAST C	OULEE				Inspector Name			Jason Saly				
Located Over		ATLAS I ST	MINE COULEE	, 3.28, W	/ATER	ATERCRS-		Inspector Class		BR CLS A				
Located On			C1 21.007				Assistant Name							
Water Body Cl./		003.02	0121.007				Assista	ant Class						
Navigabil. Cl./Ye							Inspection Date		26-Nov-2010					
Legal Land Loca		IVV SEC	C 21 TWP 27 R	CE 10 \A	/ 4 N A		Data Entry By			Marcia Chavez				
Longitude, Latitu				GE 10 W	4101		Data Entry Date			07-Jan-2011				
			:46, 51:19:40	/ <b>/ IT</b> \			Reviev	ver Name		John O'Brien				
Road Authority  Contract Main. A		CMA21	Transportation	(AII)			Reviev	/ Date		11-Dec-2010				
Clear Roadway/			dog (PUE)				Dept. Reviewer Name							
AADT/Year		20 / 20	deg. (RHF)					Review Da	ate	11-Jan-2011				
Road Classificat		20 / 20 RAU-20					Follow-Up By							
Detour Length (		32	19-110				-							
Bridge Culvert										<u> </u>				
Number of Culve			1											
	Barrel		Span			Dia.) Type		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN			4266	SP		27.0			152X51	THICKHESS	ROUND		
Special Features				4200		OI .	37.2			132/31		ROOND		
		ent												
Special Features Comment														
Utilities (Located at)														
Telephone E ditch and W ditch.							Gas							
Power	Both E &						Munici							
Others	DOUT E	α vv 0i	Toau.					m (Y/N)	No					
						FIODIE	111 (1714)	INO						
Remarks  Approach Road / Embankment														
		^\	Last		Explanation of Condition									
Horizontal Aligni	ment				5	5				cated approx. 30	00m			
Vertical Alignme					7	7	S. of R On lon	ed Deer I g horizon	River o tal curv	n S.H. 569. ⁄e.				
Roadway Width (m)		9.800				Super	elevated	over pi	pe.					
	(111)		9.800			1								
Embankment					7	N	At U/S							
Sideslope (:		_,	3.0				-							
(Height of Cov	rer(m) : 1	<b>.7</b> )												
Guardrail (Y/N)			No											
Approach Road / Embankment General Rating					5	5								
						Upstre	am End							
Culvert Component						Now	Explar	ation of	Condi	tion				
Direction			W											
End Treatment ( Others, None)	Concrete	e, Stee	I, CONCRETE											
Headwall					8	8								
Collar				8	N	Snow	Snow covered.							
Wingwalls				Х	X									
(Shape: )														

			Unstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		N	N	Buried/snow covered.
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1600			
Scour Protection		7	N	(Material built up over rock. 19Feb2009). Snow covered.
(Type:)				
(Avg. Rock Size(mm) : )				
Scour/Erosion		7	N	Snow covered.
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		-0.:	dae Cr	lvort Porrol
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN 9			, Rise (mm): 4266, Type: SP)
Barrel Last Accessible Date	26-Nov-2010	Span (IIIIII	·)·	, itise (iiiii). 4200, Type. Or )
Barrer Last Accessible Date	20-NOV-2010			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	Longitudinal seam along roof CL with incorrect lap. Rise not measured due to ice. Est. same deflection as sidewalls - within 5%
Measured Rise (mm)				measured due to ice. Est. same deflection as sidewalls - within 5%
Measured At Ring No.				
Sag (mm)	100			
Percent Sag	3			
Sidewall		7	7	Span measured at R2=4190 - 76mm=1.8%; R4=4197 - 69mm;
Measured Span (mm)	4190			R6=4250 - 16mm.
Measured At Ring No.	2			
Deflection (mm)	76			
Percent Deflection	2			
Floor		N	N	silt/ice covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	7	
Separation (mm)	0			
Longitudinal Seams		7	4	Missing bolt along the N long. seam.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating	0	4	4	(Scaling rust along E sideslope
Corrosion By Soil (Y/N)	Yes	4	4	interface on outside. 19Feb2009). Snow covered.
Corrosion By Water (Y/N)	Yes			Mild Alkali corrosion at isolated áreas. Rating based on previous inpector's comments.
				Trading based on previous impector 5 confinents.
Camber POS/ZERO/NEG	ZERO			

		Brid	lge Cu	Ivert Barrel				
Culvert Component				Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	):	, Rise (mm): 4266, Type: SP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		7	7					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy			6					
Icing (Y/N)	No			(Silt to 1600 mm. 19Feb2009). Ice covered.				
Silting (Y/N)	Yes			(Circle 1888 min 181 852535). 188 8818184.				
Drift (Y/N)	No							
Barrel General Rating		7	7					
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		Е						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape: )								
Cutoff Wall		X	X					
Bevel End		6	6	Bent inwards 100mm both sides of bevel				
Heaving (mm)	0			(50% of bevel silted in - visible potion good. 19Feb2009).				
Invert Above/Below Stream Bed BELOW				Ice/snow covered.				
Above/Below (mm)	1760							
Scour Protection		7	N					
(Type:)								
(Avg. Rock Size(mm) : )		1						
Scour/Erosion		7	N					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	6	6					
		S	tructu	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)		T						
Alignment		6	6	Curves both ends.				
Bank Stability		6	6					
HWM (m below Top of Culvert)				No visible HWM				
Drift (Y/N) No								
Channel Bottom Degrading/Aggrading	AGGRADING			Minor at D/S				
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :								
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		6	6					

			Maintena	ance Recomme	ndations						
Inspector Recommendations	Year	Inspector	Comments		Department Com	ments		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	low) 77.8/	77.8	Sufficiency Rating (%)	(Last/Now)	72.6/72.6	Est. Repl. Yr	2032	Maint. Re	qd. (Y/N)	No	
Special Monitor long. roof s Comments for Next Inspection	seam for crack	ing.			Department Comments						
Maintenance Reviewed By					Date		E	Estimated Tota	1 0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Garry		ts		Previou	s Assistant's Name	Assistant's Name					
Next Inspection Date	26-Feb-2014 Previous				Inspection Date 19-Feb-2009						
Inspection Cycle (Default) (months)	39										
Comment											