Bridge Culvert Inspection														
Bridge File Number 71392 -1 Bridge Culvert				Ĭ	Form Type				CUL1					
Year Built 1966								Lot No. 1						
Bridge or Town Name EAS										Jon Davies				
Located Over		ATLAS MINE COULEE, 3.28, WATERCRS-				· ·	Inspector Class BR CLS B							
			560·02 C1 10 550					Assistant Name						
Water Body Cl./Year			0.10.000	1 19.559			Assistant Class							
							Inspection Date		30-Jan-2012					
Navigabil. Cl./Year  Legal Land Location SE SE			C 20 TWP 27 R	GF 18 W/	4M			Data Entry By Lauren Korte						
			9:28, 51:19:04	OL 10 W	TIVI		Data Entry Date			08-Mar-2012				
				<b>(ΔΙΤ)</b>			Reviewer Name			Garry Roberts				
		CMA21						/ Date		03-Feb-2012				
										Tim Davies				
AADT/Year	// SKEW		010 (Λ)				Dept. Review Date		11-Mar-2012					
Road Classifica	ation		180 / 2010 (A) RCU-209-110				Follow-Up By							
Detour Length	(km)	20												
Bridge Culver														
Number of Culv			1											
Pipe #	Barrel		Span	Rise (or	or Dia.) Typ			Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		2897	3201		SPE		25.6		152X51	4.0	ELLIPSE		
Special Feature	es		CONC FLOOR											
Special Feature	es Comi	ment												
					Uti	lities (L	ocated	at)						
Utility Attachme							_							
Telephone	South ROW.						Gas							
Power							Municipal Problem (Y/N) No							
Others							Proble	m (Y/N) No	0					
Remarks				Δ.		h Dan	d / Emb	and supposed						
				A	Last	Now	d / Embankment Explanation of Condition							
Horizontal Alignment			5	5	"T" intersection 100M E-Jct Hwy 10 & 564 bottom of hill									
Vertical Alignment				5						5				
Roadway Width (m) 9.100														
Embankment			3	3	Erosion N side- Significant at road sideslope above crown of ba					crown of barrel.				
Sideslope (	_:1)		1.0				Large erosion from roa			ad ditch drainage at NW 20 m approximately				
(Height of Cover(m) : 1.2)					from D/S invert.									
Guardrail (Y/N) No						Needs rail both sides (			.5-1:1 slopes					
Approach Road / Embankment General Rating				3	3									
						II market								
Culvert Comp	onent				Last	Now	Explan	ation of Co	ndi	ion				
Direction	On Cill				Lasi	INOW	South	iation of 60	riuit					
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL				Jodan							
Headwall			Х	Х										
Collar				Х	X									
Wingwalls				Х	X									
(Shape: )														

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			Unetro	am End			
Culvert Component		Last	Now	Explanation of Condition			
Cutoff Wall	I .	X	X	Explanation of condition			
Cuton Wan							
Bevel End		5	5				
Heaving (mm)	0						
Invert Above/Below Stream Bed	BELOW						
Above/Below (mm)	100						
Scour Protection		5	5				
(Type : <b>NATURAL</b> )							
(Avg. Rock Size(mm):)							
Scour/Erosion		5	5				
Beavers (Y/N)	No						
Upstream End General Rating		5	5				
				Ivert Barrel			
Culvert Component				Explanation of Condition			
(Pipe # : 1, Primary Span, Loca		oan (mm	): 2897	/, Rise (mm): 3201, Type: SPE)			
Barrel Last Accessible Date	30-Jan-2010						
Special Features							
Special Feature		N	N	Ice covered.			
(Type : CONC FLOOR)							
Special Feature							
(Type:)							
Roof		3	3	Heavy corrosion with isolated perforations in Ring 1 + 7, Roof not			
Measured Rise (mm)	3170			under roadway surface. Perforation at Ring 1 up to 20 mm X 100 long.			
Measured At Ring No.	5						
Sag (mm)	31			Est. Roof Shape is good.			
Percent Sag	1						
Sidewall		3	3	Heavy corrosion with isolated perforations in Ring 1+ 7 at sidewall.			
Measured Span (mm)	3060						
Measured At Ring No.	5						
Deflection (mm)	163						
Percent Deflection	6						
Floor		N	N	Concrete covered			
Bulge (mm)	0						
Measured At Ring No.							
Abrasion (Y/N)							
Circumferential Seams		7	7				
Separation (mm)	0						
Longitudinal Seams		4	4	TWO CRACKED RINGS 108mm remain ring 6 - photo			
Total No. of Cracked Rings	2			110 remain ring 5- At West sidewalls only. No change.			
Total No. of Rings with Two Cracked Seams	0			1N stagger			
Min. Remaining Steel Between Cracks (mm)	108						
Proper Lap (Y/N)	No						
Longitudinal Stagger (Y/N)	Yes						
Coating		3	3	Isolated perforations in roof and sidewall of Ring 1 + 7.			
Corrosion By Soil (Y/N)	Yes						
Corrosion By Water (Y/N)	Yes						
Camber POS/ZERO/NEG	ZERO						
Camber I OS/ZERO/NEG	LINU						

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		Brid	dge Cu	Ivert Barrel						
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			- ·						
Ponding (Y/N) No										
Fish Passage Adequacy		5	5							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		8	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		3	3							
			ownstr	ream End						
Culvert Component		Last		Explanation of Condition						
Direction	I	Lust How		North						
End Treatment (Concrete, Steel, Others, None)	STEEL			, rotti						
Headwall		Х	Х							
Collar		Х	Х							
Wingwalls		X	Х							
(Shape: )			1							
Cutoff Wall		X	X							
Bevel End		5	5							
Heaving (mm)	0									
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm)	100		1							
Scour Protection		8	3	No rock or fill remains at NE.						
(Type : <b>NATURAL</b> )										
(Avg. Rock Size(mm) : )		1	1							
Scour/Erosion		8	3	Void at NE invert extends to a scour of 5m long X 3 m wide X 2 m deep.						
Beavers (Y/N) No										
Downstream End General Rating			3							
			tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		5	5							
Bank Stability			5							
HWM (m below Top of Culvert)				No visible HWM						
Drift (Y/N) No										
Channel Bottom Degrading/Aggrading  DEGRADING										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			5							

		Maintenance Re	commendations					
Inspector Recommendations	Year	Inspector Comments	Department Com	Targe	t Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS								
PLACE ADDITIONAL RIP RAP	2012	Contingent on plan for liner to extend	d barrel.					
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LINING	2012	Consider liner to extend barrel length side slope of road can be established	n so new d.					
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CUTO	OFF							
REPAIR SEAMS								
OTHER ACTION	2012	20 M of guardrail North and South sid	des.					
OTHER ACTION	2012	Drainage plan review required for NV ditch.	V road					
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/No.(%)	ow) 33.3/33	Sufficiency Rating (Last/N (%)	Now) 44.0/39.0	Est. Repl. Yr	2020 Ma	aint. Red	ıd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments					
Maintenance Reviewed By			Date		Estimat	ed Total	0	
Proposed Long-Term Strategy								
On 3-Year Program (Y/N)								
Proposed Action								
Previous Inspector's Name	William Reardo	on	Previous Assistant's Name	ous Assistant's Name				
Next Inspection Date	30-Apr-2015		Previous Inspection Date	25-Nov-2008				
Inspection Cycle (Default) (months)	39							
Comment								