Bridge Culvert Inspection															
Bridge File Num	ridge File Number 75579 -1 Bridge Culvert						Form Type		CUL1						
Year Built		1962					Lot No.		4						
Bridge or Town	Name	WILLIN	GDON				Inspec	tor Name		Jason Saly					
Located Over		TRIBUTARY TO VERMILION RIVER, 6.5.30, WATERCRS-ST					Inspector Class			BR CLS A					
Located On		45:06 C1 21.351						Assistant Name							
Water Body Cl./	/Year						Assistant Class								
Navigabil. CI./Y	ear							Inspection Date		23-Jan-2013					
Legal Land Loc	ation	NW SE	C 32 TWP 55 RGE 14 W4M					Data Entry By		Marcia Chavez					
Longitude, Latit	ude	-112:03	:27, 53:48:05					Beviewer Name		28-Feb-2013					
Road Authority		Alberta	Transportation (AIT)					Review Date		John O'Brien					
Contract Main.	Contract Main. Area CMA14								Dopt Poviouer Nerse		13-FED-2013				
Clear Roadway/Skew 9.5 / 15 c		deg. (RHF)		Dept. Reviewer Name		Unris Black									
AADT/Year 400 / 20		011 (A)		Dept. Review Date		14-Mar-2013									
Road Classifica	Road Classification RAU-209		09-110				Follow-Up By								
Detour Length (	(km)	6													
Bridge Culvert Information															
Number of Culverts 1															
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		2311	1473		CPE		22				ELLIPSE			
Special Feature	es										1				
Special Feature	es Comr	nent													
•															
					Uti	ilities (L	ocated	at)							
Utility Attachme	ents						•								
l elephone	Plowed	d in Sou	th ditch.				Gas	ACTOSS HWY 150M EAST.							
Power							Munici								
Others	ers CN Railway 35m South of c/l.						Problei								
Remarks	Remarks														
						Now	Findantion of Condition								
Horizontal Alignment					7	7	Intersection 650m West. Abandoned rail line 30m South.					uth			
Vertical Alignment				8											
Roadway Width (m)			9.500												
Embankment					8	N	Snow	overed: r	no sian	ns of problems					
Sideslope (	•1)		4.0		0	IN	Show (	Jovereu, i	io sign	s of problems.					
(Height of Co	$\frac{1}{2}$	1)	4.0												
Guardrail (V/N)	ver(iii) .	1)	No												
Approach Roa	d / Emb	ankmer	nt General Rat	ing	7	7									
						Upstrea	am End								
Culvert Compo	onent				Last	Now	Explar	ation of	Condit	tion					
Direction			N												
End Treatment Others, None)	(Concre	te, Stee				_									
Headwall					X	Х									
Collar				Х	Х										
Wingwalls				X	Х										
(Shape : )							1								
Cutoff Wall					X	Х									

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			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		Х	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		6	N	(Concrete bag riprap has deteriorated. Overgrown with vegetation.
(Type : <b>RIP RAP</b> )				06Jun2011).
(Avg. Rock Size(mm) : 250)				
Scour/Erosion			N	
Beavers (Y/N)	No			
Upstream End General Rating		6	N	GR was 6 from 06Jun2011.
		Brid	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. Spa	an (mm	): 2311	, Rise (mm): 1473, Type: CPE)
Barrel Last Accessible Date	12-Aug-2009		,	Pipe snowed in, would be restricted space: viewed from ends
Darrei Last Accessible Date	12-Aug-2003			The showed in, would be restricted space, we were normends.
Special Features				
Special Feature				
(Type : )				
Special Feature				_
(Type:)				
Roof		N	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			-
Percent Sag				-
Sidewall		N	N	
Massured Span (mm)			IN	
Measured At Bing No				-
Deflection (mm)	0			-
Denection (mm)	0			-
Floor	•	N	N	(No problems noted, under water. 12Aug2009).
Bulge (mm)	0			-
Measured At Ring No.				-
Abrasion (Y/N)	No			
Circumferential Seams	1	N	N	(Losing fill @ circumferential seams, minor, 12Aug2009).
Separation (mm)	70			
Longitudinal Seams	I	Х	X	
Total No. of Cracked Rings				_
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				1
Coating		X	X	
Corrosion By Soil (Y/N)			~	
Corrosion By Water (Y/N)				
	NEG			
Ponding (Y/N)	No			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel											
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa			): 2311	, Rise (mm): 1473, Type: CPE)							
Fish Passage Adequacy		7	7								
Baffle		Х	X								
(Туре : )											
Waterway Adequacy			5								
Icing (Y/N)	No										
Silting (Y/N)	Yes										
Drift (Y/N)	Drift (Y/N) No										
Barrel General Rating			N	Previous GR was 7 from 12Aug2009, but controlling elements rated 8.							
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction		S		_							
End Treatment (Concrete, Steel, Others, None)	NONE										
Headwall			Х								
Collar			Х								
Wingwalls		Х	Х								
(Shape : )											
Cutoff Wall			X								
Bevel End		Х	Х								
Heaving (mm)	0										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	600										
Scour Protection		6	N	(Concrete bag riprap has deteriorated.							
(Type : <b>RIP RAP</b> )				Overgrown by vegetation. 06Jun2011).							
(Avg. Rock Size(mm) : 250)											
Scour/Erosion			N								
Beavers (Y/N)	No										
Downstream End General Ratin	ng	6	N	GR was 6 from 06Jun2011.							
		s	tructu	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment			6	45 degrees u/s.							
Bank Stability			N	Snow covered.							
HWM (m below Top of Culvert)	0.3			(14/Apr/2007)							
Drift (Y/N)	No										
Channel Bottom AGGRADING Degrading/Aggrading											
Beavers (Y/N)	No										
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		6	6								

Maintenance Recommendations												
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												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow)	55.6/55.	6 Sufficiency Rating (Last/N (%)	ow) 5	<b>58.2/56.3</b> Est. Repl. Yr 2024		2024	Maint. Reqd. (Y/N)		No		
Special Comments for Next Inspection				Department Comments								
Maintenance Reviewed By					Date		E	Estimated Total	0			
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Jaso		lason Saly			Previous Assistant's Name							
Next Inspection Date 23-0		23-Oct-2014			Previous Inspection Date 06-Jun-2011							
Inspection Cycle (Default) (months) 21												
Comment												