Bridge Culvert Inspection													
Bridge File Nur	mber	81562 -			Form Type		CULM	CULM					
Year Built 1998						Lot No.		4	4				
Bridge or Town Name WETASKIWIN						Inspect	or Name	Owen Salava	Owen Salava				
Located Over MASKWA			ASKWA CREEK, 5.47.4.1, WATERCRS-ST				Inspect	or Class	BR CLS A	BR CLS A			
Located On 13:06 C1 54.946							Assistant Name						
Water Body Cl./Year					Assistant Class			nt Class					
Navigabil. Cl./Year					Inspection Date			ion Date	27-Jun-2012	27-Jun-2012			
Legal Land Location SE SEC 18 TWP 46 RGE 25 W4N					4M		Data E	ntry By	Marcia Chave	Marcia Chavez			
Longitude, Latitude -113:36:41, 52:57:35							Data Entry Date 16-Jul-2012						
Road Authority Alberta Transportation (A				(AIT)				Reviewer Name John O'Brien					
Contract Main. Area CMA17			·						05-Jul-2012				
Clear Roadway	//Skew	10 / -17	deg. (LHF)				Dept. F	Review Date 05-Jul-2012  Dept. Reviewer Name Andrew Smikles					
AADT/Year			2011 (A)				Dept. Review Date		19-Jul-2012				
Road Classifica	ation		11.8-110				Follow-						
Detour Length	(km)	26					1						
Bridge Culver	` '	ation					<u>'</u>						
Number of Culv	verts		2										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length	Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	3990		SP		45.7	152X51	4.0	ROUND		
2	MAIN		-	3990		SP		45.7	152X51	4.0	ROUND		
Special Feature	es												
Special Feature	es Comi	ment											
					Uti	ilities (L	ocated	at)					
Utility Attachme													
Telephone	Plowed in South r/w.						Gas						
Power						Municip							
Others	Fibre	optic in I	North r/w.				Probler	n (Y/N) No					
Remarks													
				Ap				ankment	aliti a m				
Horizontal Aligi	omont				Last 9	9	Explain	ation of Cor	idition				
Vertical Alignm					8	8	-						
Roadway Widtl			10.000		0	0							
Roadway Widti	(111)		10.000										
Embankment					8	8	Measu	ed at west					
Sideslope (	_:1)		4.0										
(Height of Co	ver(m) :	1.6)											
Guardrail (Y/N)			No										
Approach Roa	ad / Eml	oankme	nt General Rat	ing	8	8							
						Upstre	am End						
Culvert Comp	onent							ation of Cor	ndition				
(Pipe # : 1, Sp	an Type	e: Prima	ry Span)										
Direction					s		W pipe						
End Treatment (Concrete, Steel, CONCRETE Others, None)													
Headwall			8	8									
Collar			8	8									
Wingwalls					Х	Х							
(Shape: )													

81562 -1 Bridge Culvert

			Unetro	am End				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Span Type: Primary	/ Span)		1.1011					
Cutoff Wall		N	N	Buried.				
Bevel End	I	8	8					
Heaving (mm)	0							
Invert Above/Below Stream Bed BELOW								
Above/Below (mm)	900	_	T _					
Scour Protection		7	7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : <b>200</b> )			Ι,					
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Upstream End General Rating		7	7					
		Dei	dero Cu	hort Powel				
Culvert Component			Now	Ivert Barrel Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 3990, Type: SP)				
Barrel Last Accessible Date	13-Feb-2009		· <i>y</i> ·	Viewed from ends, 2m deep water, shape looks good.				
Dairei Zaet / tecesolisie Date	10 1 05 2000			Tromos from chac, Em doop flator, chape tooke good.				
Special Features								
Special Feature								
(Type:)			1					
Special Feature								
(Type:)								
Roof	1	N	N	(Not measured due to ice - roof lines look good. 13Feb2009).				
Measured Rise (mm)								
Measured At Ring No.				(Est 5%. 13Feb2009).				
Sag (mm)	0			(250.070. 101.052000).				
Percent Sag	5		1					
Sidewall	I	N	N	(At previously measured spot. 13Feb2009).				
Measured Span (mm)	4202							
Measured At Ring No.	17							
Deflection (mm)	212							
Percent Deflection	5		1					
Floor	T -	N	N					
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No		1					
Circumferential Seams	T -	N	N	(All plates are 1m long. 13Feb2009).				
Separation (mm)	0							
Longitudinal Seams	I	N	N					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams				2N stagger				
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	Yes							
Longitudinal Stagger (Y/N)	Yes							
Coating		N	N	(At upper S/W and roof seams At lower haunch. 13Feb2009).				
Corrosion By Soil (Y/N)	Yes							
Corrosion By Water (Y/N) Yes								

Bridge Culvert Barrel										
Culvert Component L			Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	<b>)</b> :	, Rise (mm): 3990, Type: SP)						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
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		N	N	Previous GR was 7 from 13Feb2009 based on element rating.						
	I	D		ream End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Span Type: Primary	/ Span)	1								
Direction		N								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar		Х	X							
Wingwalls		X	X							
(Shape: )		1								
Cutoff Wall		Х	X							
Bevel End	I	8	8	Holes drilled in top & sides of bevel galvanized.						
Heaving (mm)	0									
Invert Above/Below Stream Bed										
Above/Below (mm)	800									
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : <b>200</b> )		T _	T _							
Scour/Erosion	I	7	7							
Beavers (Y/N)	No									
Downstream End General Ratio	ng	7	7							
				am End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	lary Span)									
Direction	I	S		E pipe.						
End Treatment (Concrete, Steel, Others, None)	CONCRETE									
Headwall		8	8							
Collar		8	8							
Wingwalls		X	X							
(Shape: )										
Cutoff Wall		N	N	Buried.						

			Upstre	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End	<del>'</del>	8	8	
Heaving (mm)	0			
	BELOW			
Above/Below (mm)	900			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>200</b> )				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Rri	dae Cu	lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN.			, Rise (mm): 3990, Type: SP)
Barrel Last Accessible Date	13-Feb-2009		,	East pipe. Viewed from ends, water 12m deep, shape looks good.
Special Features				The state of the s
Special Feature				
(Type:)				-
Special Feature				
(Type:)				-
Roof		N	N	(Not measured due to ice - roof lines look good. 13Feb2009).
Measured Rise (mm)		IN	I IN	Est. 5%
Measured At Ring No.				
Sag (mm)	0			-
Percent Sag	5			-
Sidewall	U	N	N	(At previously measured spot. 13Feb2009).
Measured Span (mm)	4200	114	111	(At previously measured spot. 131 eb2003).
Measured At Ring No.	19			
Deflection (mm)	210			
Percent Deflection	5			
Floor	, ·	N	N	
Bulge (mm)	0	11	IN	
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	110	N	N	(All plates are 1m long. 13Feb2009).
Separation (mm)	0	IN	IN	ן רוון אומנפט מופ דווו וטווץ. דאר פטבטטט).
, ,	V	N	N	
Longitudinal Seams  Total No. of Cracked Pings	0	IN	IN	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	U			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			2N stagger
Coating		N	N	(At upper sidewall seams
Corrosion By Soil (Y/N)	Yes			Light corrosion at lower haunch. 13Feb2009).
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brio	dge Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r		, Rise (mm): 3990, Type: SP)
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	N	Previous GR was 7 based on element rating from 13Feb2009.
Culvert Component				eam End
Culvert Component (Pipe # : 2, Span Type: Second	lory Snon)	Last	INOW	Explanation of Condition
	iary Spari)	NI.		Fuina
Direction	OTEEL	N		E pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL		1	
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )			_	
Cutoff Wall		Х	Х	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	800		_	
Scour Protection		7	7	
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : 200)			_	
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		S	Structu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)		1	111111	
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Culvert)	1.5			Flow line on barrel wall.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				Unknown
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		8	8	

			Mainten	ance Recommer	ndations					
Inspector Recommendations	Year Inspector Comments				Department Con	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 55.6/	55.6	Sufficiency Rating (Last/Now) (%)		66.8/63.3	Est. Repl. Yr	2047 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		1	Estimated Tota	1 0	
Proposed Long-Term Strategy									,	
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Owen Salava	a		Previou	s Assistant's Name					
Next Inspection Date	27-Mar-2014			Previous	s Inspection Date	30-Aug-2010				
Inspection Cycle (Default) (months)	21									
Comment										