Sestant Class					R	rida	o Culve	ort Inene	ection					
Vasar Built	Bridge File Nur					lug	e Cuive			CHLM				
Bridge or Town Name								7.						
Located Over											<u> </u>			
Located On 679:06 C1 16.383		IName												
Located On 679.06 C1 16.383 Assistant Class Inspection Date D2-Dec-2010 D34 Entry By Therese Lacusta D34 Entry By Therese Lacusta D34 Entry By D34 Entry D34 D34 Entry D34 Entry D34 D34 Entry D34 Entry D34 D34 Entry D34 Entry D34 Entry D34 D34 Entry	Located Over													
Inspection Date	Located On		C1 16.383	C1 16 383						Lisbeth Medina				
Data Entry By	Water Body Cl.	/Year								02 Dec 2010				
Legal Land Location SE SEC 28 TWP 76 RGE 15 W5M Data Entry Date 22-Dec-2010	Navigabil. Cl./Y	'ear					•							
Longitude Latitude 116:15.46, 55.36:38 Reviewer Name Reviewer Name Arnold Assenheimer Review Date 20-Dec-2010	Legal Land Loc	ation	28 TWP 76 R											
Alberta Transportation (AIT)	Longitude, Latit	tude	5:46, 55:36:38											
Contract Main. Area CMA06 Dept. Reviewer Name David Morrison Dept. Review Date Dept. Date Dept. Review Date Dept. Date Dept. Date Dept. Review Dat	Road Authority		Transportation											
12 / 30 deg. (RHF)	Contract Main.	Area	CMA06	1										
AADT/Year	Clear Roadway	//Skew	12/30	deg. (RHF)	log (DUE)				·					
Road Classification Patrul Length (km) 25	AADT/Year							· ·		ale	31-Mar-2011			
Special Features Span Rise (or Dia.) Type Length Corr. Profile Pl./Slab Thickness Shape	Road Classifica	ation						Follow-	ор Бу					
Space Spac	Detour Length	(km)	25											
Number of Culverts 2														
MAIN	_			2										
24	Pipe #	Barrel			Rise (or Dia	a.)	Туре		Length		Corr. Profile		Shape	
Utility Attachments	1	MAIN		-	1800		MP		24		125X26	2.8	ROUND	
Utility Attachments	2	MAIN		-	1800		MP		24		125X26	2.8	ROUND	
Utility Attachments	Special Feature	es												
Utilities (Located at)	•		ment											
Utility Attachments	·													
Telephone						Uti	lities (L	ocated	at)					
Power	Utility Attachme	ents								ı				
Problem (Y/N) No	Telephone													
Remarks	Power 1 line o/h -* 10m			m South of roa	d cl.									
Approach Road / Embankment	Others							Probler	n (Y/N)	No				
Last Now Explanation of Condition	Remarks													
Horizontal Alignment								1						
Vertical Alignment 8 8 Roadway Width (m) 12.000 Embankment 9 8 Sideslope (_:1) 4.0 (Height of Cover(m): 1.8) Guardrail (Y/N) Yes Approach Road / Embankment General Rating 8 7 Culvert Component Last Now Explanation of Condition (Pipe #: 1, Span Type: Primary Span) West pipe. Direction N West pipe. End Treatment (Concrete, Steel, Others, None) X X					Li			Explan	ation of	Condi	tion			
Roadway Width (m) 12.000 Embankment 9 8 Sideslope (_:1)								_						
Embankment 9 8 Sideslope (:1) 4.0 (Height of Cover(m) : 1.8) Guardrail (Y/N) Yes Approach Road / Embankment General Rating 8 7 Upstream End Culvert Component Last Now Explanation of Condition (Pipe # : 1, Span Type: Primary Span) Direction N West pipe. End Treatment (Concrete, Steel, Others, None) Headwall X X				10.000		8	8							
Sideslope (_:1)	Roadway Width	n (m)		12.000										
(Height of Cover(m) : 1.8) Guardrail (Y/N) Approach Road / Embankment General Rating 8 7 Upstream End Culvert Component (Pipe # : 1, Span Type: Primary Span) Direction End Treatment (Concrete, Steel, Others, None) Headwall X X	Embankment					9	8							
Guardrail (Y/N) Approach Road / Embankment General Rating B Tupstream End Culvert Component (Pipe # : 1, Span Type: Primary Span) Direction End Treatment (Concrete, Steel, Others, None) Headwall Yes Upstream End Explanation of Condition West pipe. West pipe.	Sideslope (_:1)		4.0										
Approach Road / Embankment General Rating Upstream End Culvert Component Last Now Explanation of Condition (Pipe # : 1, Span Type: Primary Span) Direction N West pipe. End Treatment (Concrete, Steel, Others, None) Headwall X X X	(Height of Co	ver(m) :	1.8)											
Culvert Component Last Now Explanation of Condition (Pipe # : 1, Span Type: Primary Span) Direction N West pipe. End Treatment (Concrete, Steel, Others, None) Headwall X X	Guardrail (Y/N)			Yes										
Culvert Component Last Now Explanation of Condition (Pipe # : 1, Span Type: Primary Span) Direction N West pipe. End Treatment (Concrete, Steel, Others, None) X X X	Approach Roa	ıd / Eml	bankme	nt General Rat	ing	8	7							
Culvert Component Last Now Explanation of Condition (Pipe # : 1, Span Type: Primary Span) Direction N West pipe. End Treatment (Concrete, Steel, Others, None) X X X							III.	 						
(Pipe # : 1, Span Type: Primary Span) Direction N West pipe. End Treatment (Concrete, Steel, STEEL Others, None) Headwall X X	Culvert Comp	onent						1	ation of	Condi	tion			
Direction N West pipe. End Treatment (Concrete, Steel, Others, None) X X X Headwall X X			e Prima	ury Span)	L	uSt	INOW	LAPIAN	ation of	Jonal				
End Treatment (Concrete, Steel, Others, None) STEEL X X					N	N West pine								
Headwall X X	End Treatment (Concrete, Steel, STEEL			IN .			i wesi h	лре.						
Collar X X	Headwall					X	Х							
	Collar					X	X							
Wingwalls X X	Wingwalls					Х	X							
(Shape:)	(Shape:)													

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	(Span)			
Cutoff Wall		Х	X	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No		_	
Upstream End General Rating		8	8	
		Brid	T -	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm) :	, Rise (mm): 1800, Type: MP)
Barrel Last Accessible Date	02-Dec-2010			West pipe.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	8	
Measured Rise (mm)	1799			@cl
Measured At Ring No.				
Sag (mm)	1			
Percent Sag	0		_	
Sidewall		8	8	
Measured Span (mm)	1802			@cl
Measured At Ring No.				
Deflection (mm)	2			
Percent Deflection	0			
Floor		N	8	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	8	SEAM #1 55mm Gap. SEAM #2 40mm Gap.
Separation (mm)	55			одли #2 40mm бар.
Longitudinal Seams		Х	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		8	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (V/N)	Voc			A .

		Brid	dae Cu	Ivert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm		, Rise (mm): 1800, Type: MP)				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		8	8					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		9	9					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No		_					
Barrel General Rating		7	8					
				eam End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Span Type: Primary	(Span)	1						
Direction		S		West pipe.				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	X					
Collar		Х	X					
Wingwalls		X	X					
(Shape:)		1						
Cutoff Wall		Х	Х					
Bevel End		8	8					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	150							
Scour Protection		8	8					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		8	8					
Beavers (Y/N)	No		ı					
Downstream End General Ratin	ng	8	8					
		1		am End				
Culvert Component	 \	Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	ary Span)			E				
End Treatment (Concrete, Steel, STEEL		N		East culvert				
Others, None) Headwall		X	Х					
Collar		Х	X					
Wingwalls		Х	X					
(Shape:)								
Cutoff Wall		X	X					

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
<u> </u>				
-				Ilvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Secondary Span, Lo		ipan (r	<u>mm):</u>	, Rise (mm): 1800, Type: MP)
Barrel Last Accessible Date	02-Dec-2010			East culvert.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	8	
Measured Rise (mm)	1485			@cl
Measured At Ring No.				
Sag (mm)	15			
Percent Sag	1			
Sidewall		8	8	
Measured Span (mm)	1812			@cl
Measured At Ring No.				
Deflection (mm)	12			
Percent Deflection	1			
Floor		N	8	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	8	SEAM #1 50mm Gap.
Separation (mm)	55			SEAM #2 30mm Gap.
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		8	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brid	dae Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S			, Rise (mm): 1800, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		8	8	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating	110	7	8	
Culvent Common on the				ream End
Culvert Component	lami Cham)	Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			<u> </u>
Direction		S		East pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
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)	200			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	8	
			Structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Culvert)				HWM not visible.
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		7	7	

		Maintenance	Recommend	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comr	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 (%)	ow) 77.8/8	8.9 Sufficiency Rating (La (%)	st/Now)	81.8/87.3	Est. Repl. Yr	2042	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				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	Brian Pientscl	1	Previous	Assistant's Name	Tim Miskiman				
Next Inspection Date	02-Mar-2014		Previous	Inspection Date	25-Jul-2007				
Inspection Cycle (Default) (months)	39								
Comment									