Assistant Usase   Inspection Date   Inspection						D								
Vasar Built						Bridge Culve				CITE				
Bridge Cut Town Name   Dissurer   Dissure														
Located Over   Titility Attachments   Titility Attachments   Located On   S82-04 C1 6.051   Assistant Name   Assistant Name				IDV										
3.46_21.5_2, WATERCRS-ST							•							
Assistant Class	3.46.21.5.		.2, WATERCRS-ST				·		BR CLS A					
Inspection Date														
Date Entry By	Water Body Cl./Year									40 101 0044				
Legal Land Location   Location	Navigabil. Cl./Year							·			.7			
Longitude   Latitude   143:56:17, 51:39:50   Reviewer Name   John O Brien	Legal Land Loc	cation	NW SEC	` 17 T\\/D 31 DCE 28 \\//M										
Review Date   28-Jul-2011	Longitude, Lati	tude	-113:56:	6:17, 51:39:50										
Contract Main. Area	Road Authority	•	Alberta 7	Transportation (AIT)										
Clear Roadway/Skew   10.6 / -30 deg. (LHF)	Contract Main.	Area	CMA29											
AADTI/Year 1,170 / 2010 (A) Road Classification Road Road Road Road Road Road Road Road	Clear Roadway	//Skew	10.6 / -3	0 deg. (LHF)				·						
RCU-209-110   Delotur Length (km)   7	AADT/Year		1,170 / 2	2010 (A)						<u> </u>				
String   Culvert   Information   Number of Culverts   1	Road Classifica	ation	RCU-209	9-110					OP -)					
Number of Culverts   1	Detour Length	(km)	7											
Pipe #   Barrel   Span   Rise (or Dia.)   Type   Length   Corr. Profile   PL/Slab   Shape   Thickness			nation											
1														
1	Pipe #	Barrel	Span Rise (o		Rise (or I	Dia.)	Туре		Length		Corr. Profile		Shape	
MAIN   2027   2240   SPE   29.3   152X51   3.0   ELLIPSE	1	U/S	2700		2700		MP		7.5		125X26		ROUND	
1	1													
Special Features Special Features Comment  Utilities (Located at)  Utility Attachments  Telephone South ditch. Power 2 wire north ditch. Others  Remarks Approach culvert @ SE corner.  Approach Road / Embankment  Last Now Explanation of Condition  Horizontal Alignment 9 9 Field access road @ immediate East side.  Vertical Alignment 8 8 8  Roadway Width (m) 9.000  Embankment 8 8 8  Wide crack over pipe sealed (photo).  Guardrail (Y/N) No  Approach Road / Embankment End  Embankment 8 8 8  Upstream End  Culvert Component Last Now Explanation of Condition  Direction S 600mm ditch CSP located @ east side of bevel.  End Treatment (Concrete, Steel, STEEL  Others, None)  Headwall X X  Wingwalls X X  Wingwalls	1													
Utility Attachments	•				2.00		1111		0.0		120/120	12.0	TITOGITE	
Power 2 wire north ditch.			ditch			Uti	ilities (L		at)					
Problem (Y/N)   No		·						nal						
Remarks Approach culvert @ SE corner.    Approach Road / Embankment		2 Willo	, morair die	011.						No				
Approach Road / Embankment  Last Now Explanation of Condition  Horizontal Alignment 9 9 9 Field access road @ immediate East side.  Wertical Alignment 8 8 8  Roadway Width (m) 9.000  Embankment 8 8 8 Sideslope (_:1) 4.0 (Height of Cover(m) : 0.7) Guardrail (Y/N) No  Approach Road / Embankment General Rating 8 8  Upstream End  Culvert Component Last Now Explanation of Condition  Direction S End Treatment (Concrete, Steel, Others, None)  Headwall X X  Wingwalls X X  Wingwalls		Appro	ach culve	ert @ SE corne	er.			1	(1,11)	1				
Horizontal Alignment						proa	ch Road	d / Emba	ankment					
Vertical Alignment Roadway Width (m) 9.000  Embankment Sideslope (_:1) (Height of Cover(m): 0.7) Guardrail (Y/N) No  Approach Road / Embankment General Rating Vipstream End Culvert Component Last Now Explanation of Condition Direction S End Treatment (Concrete, Steel, Others, None)  Headwall X X Wingwalls X X Wingwalls						Last	Now	Explan	ation of	Condi	tion			
Roadway Width (m)  9.000  Embankment  8 8 8  Wide crack over pipe sealed (photo).  Sideslope (:1)	Horizontal Alignment			9			9	Field a	Field access road @ immediate East			side.		
Embankment 8 8 8  Sideslope (:1)	Vertical Alignment				8	8								
Sideslope (_:1)	Roadway Widt	h (m)		9.000	9.000		_							
(Height of Cover(m) : 0.7)  Guardrail (Y/N)  Approach Road / Embankment General Rating  Upstream End  Culvert Component  Last Now Explanation of Condition  Direction  S Guardrail (Concrete, Steel, Others, None)  Headwall  X X  Wingwalls  X X  Wingwalls	Embankment				8	8	Wide crack over pipe		sealed (photo).					
Guardrail (Y/N)  Approach Road / Embankment General Rating  B  Upstream End  Culvert Component  Last Now Explanation of Condition  Direction  S  End Treatment (Concrete, Steel, Others, None)  Headwall  X  X  Wingwalls  No  End Treatment  X  X  Wingwalls	. `			4.0										
Approach Road / Embankment General Rating    Upstream End	(Height of Co	ver(m)	<b>0.7</b> )											
Culvert Component  Last Now Explanation of Condition  Direction  S 600mm ditch CSP located @ east side of bevel.  End Treatment (Concrete, Steel, Others, None)  Headwall  X X  Collar  X X  Wingwalls	Guardrail (Y/N)	)		No										
Culvert Component     Last     Now     Explanation of Condition       Direction     S     600mm ditch CSP located @ east side of bevel.       End Treatment (Concrete, Steel, Others, None)     STEEL       Headwall     X     X       Collar     X     X       Wingwalls     X     X	Approach Roa	ad / Eml	bankmen	t General Rat	ing	8	8							
Direction S 600mm ditch CSP located @ east side of bevel.  End Treatment (Concrete, Steel, Others, None) X X  Headwall X X  Collar X X  Wingwalls X X							Upstre	am End						
End Treatment (Concrete, Steel, Others, None)  Headwall X X  Collar X X  Wingwalls X X	<b>Culvert Comp</b>	onent				Last	Now	Explan	ation of	Condi	tion			
Headwall X X  Collar X X  Wingwalls X X	Direction  End Treatment (Concrete, Steel, STEEL			S		600mm	ditch CS	SP loca	ited @ east sid	le of bevel.				
Wingwalls X X	Headwall			X	X									
	Collar					X	X							
	(Shape: )						, ,							

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Cutoff Wall		Х	X							
Bevel End		7	7							
Heaving (mm)	25									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm): 450)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Upstream End General Rating		7	7							
		Brid	dge Cu	lvert Barrel						
Culvert Component		Last		Explanation of Condition						
(Pipe #: 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	, F	Rise (mm): 2700, Type: MP)						
Barrel Last Accessible Date	16-Jul-2011									
Special Features										
Special Feature										
(Type:)			_							
Special Feature										
(Type:)										
Roof		6	6							
Measured Rise (mm)	2700									
Measured At Ring No.	1									
Sag (mm)	0									
Percent Sag	0									
Sidewall		6	6							
Measured Span (mm)	2700									
Measured At Ring No.	1									
Deflection (mm)	0									
Percent Deflection	0									
Floor		6	6							
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		6	6							
Separation (mm)	25									
Longitudinal Seams	•	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)										
Coating		7	7							
Corrosion By Soil (Y/N)	No			1						
Corrosion By Water (Y/N)	No									
Camber POS/ZERO/NEG	ZERO									

78117 -1 Bridge Culvert

		Bric	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: U/S, Span	(mm):	, F	Rise (mm): 2700, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratin	ıg	6	6	
		Bric	lae Cul	lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa			
Barrel Last Accessible Date	16-Jul-2011			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	2700 span x 2700 rise extensions.
Measured Rise (mm)	2160			Slight distortion of shape @ D/S end @ West.
Measured At Ring No.	3			
Sag (mm)	80			
Percent Sag	3			
Sidewall		6	6	20mm gap @ West sidewall seam @ ring 3.
Measured Span (mm)	2115			
Measured At Ring No.	3			
Deflection (mm)	88			
Percent Deflection	4			
Floor		6	6	
Bulge (mm)				
Measured At Ring No.	<u> </u>			
Abrasion (Y/N)	No			1 0 1 0 7 ( 11/0 1
Circumferential Seams	25	6	6	Lap & plate 3.7m from U/S end.
Separation (mm)	25			
Longitudinal Seams	0	6	6	
Total No. of Cracked Rings Total No. of Rings with Two	0			
Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		5	5	Superficial corrosion @ crown @ North. Alkali & soil stains on lower
Corrosion By Soil (Y/N)				plates @ haunches.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			

78117 -1 Bridge Culvert

		Brid	dge Cul	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	): 2027	, Rise (mm): 2240, Type: SPE)
Ponding (Y/N)	No			
Fish Passage Adequacy			X	
Baffle			Х	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	X	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	100			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>450</b> )		_		
Scour/Erosion		7	7	Well vegetated.
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		S	tructur	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)		8	Ι -	
Alignment			8	
Bank Stability		8	8	Low bank, grass.
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 :				
(Fish Compensation Measure 2 :	NONE)	8	T -	
Channel General Rating			8	

			Maintena	nce Recommen	dations					
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	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 66.7/	66.7	Sufficiency Rating (%)	(Last/Now)	74.2/74.0	Est. Repl. Yr	2031	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	Dave Lam			Previous	Assistant's Name					
Next Inspection Date	16-Oct-2014			Previous	Inspection Date	23-Sep-2009				
Inspection Cycle (Default) (months)	39									
Comment										