Dridge File Num	ohor	90756	1 Dridge Culve	rt.	Briag	e Cuive			CHIM				
Voor Puilt	Iber	1095	30756 -1 Bridge Cuivert					уре					
Pridao or Town	Nomo						LOLINO.	or Nomo	4 Todd Warehowski				
Located Over	name			TU SVSK	лтоці		Inspector Class						
Localed Over		RIVER,	6.13, WATER	АТСПІ	EVVAIN	Accieta	of Class						
Located On		LOCAL	ROAD				Accieta						
Water Body Cl.	/Year						Inspect	hspection Date 03-Apr-2013					
Navigabil. Cl./Year									Theresa Laci	U3-Apr-2013			
Legal Land Location SE SEC			C 24 TWP 56 R	GE 7 W4I	М		Data E	ntry Date	24 Apr 2012				
Longitude, Latitude -110:53:			i3:56, 53:50:46					or Name	Eric Carcoux				
Road Authority Albert		Alberta	ta Transportation (AIT)						17-Apr-2013	LTC Carcoux			
Contract Main. Area CMA08			i				Dent Reviewer Name		Brent Herrick	Pront Herrick			
Clear Roadway	/Skew	6.9 /					Dept. R	eview Date	01-May-2013				
AADT/Year		10 / 201	13 (E)				Follow-						
Road Classifica	ation	RLU-20)7G-60					брЪу					
Detour Length	(km)	3											
Bridge Culvert	Inform	ation											
Number of Culv	/erts		2										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	1600		MP		45	68X13	2.8	ROUND		
2	MAIN		-	1600		MP		45	68X13	2.8	ROUND		
Special Feature	es												
Special Feature	es Comr	ment											
								_					
					Uti	lities (L	ocated	at)					
Utility Attachme	ents												
Telephone	Plowe	ed in ditc	hnot confirme	d			Gas						
Power								Problem (V/N) No					
Others							Probler	n (Y/N) NO					
Remarks	NO BE	- tags.		۸.		h Door	d / Embo						
				A	Last	Now	Explanation of Condition						
Horizontal Alignment				5	5	Pipes a	Pipes are approx 30m West of Hwy 41. Perpendicular to Hwy 41 in						
Vertical Alignment			3	3	steep grade section. Drops at 7m from pit gate 100 m to the west, access to pit only. Active pit with lots of truck trafficAug-2008								
Roadway Width	n (m)		6.900										
Embankment					5	5	Minor ditch erosion SE, NW and NEAug-2008						
Sideslope (_:1)		2.0										
(Height of Co	ver(m) :	4.5)											
Guardrail (Y/N)			No										
Approach Roa	d / Emb	bankme	nt General Rat	ting	3	3							
						Upstre	am End						
Culvert Compo	onent				Last	Now	Explan	ation of Cond	lition				
(Pipe # : 1, Spa	an Type	e: Prima	ry Span)										
Direction					S		South e	end of east cu	vert.				
End Treatment	(Concre	ete, Stee	el, STEEL										
Headwall					Х	X							
Collar					Х	Х							
						_	<u> </u>						

	l.		Upstrea	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Wingwalls		X	X	
(Shape :)				
Cutoff Wall			X	
Bevel End	-	7	N	Minor dent in roof of bevel, no problemAug-2008
Heaving (mm)	0			Bevel submerged.
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		8	Ν	Under water/snow
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	N	Under snow/water
Beavers (Y/N)	No			
Upstream End General Rating		7	7	GR carried fwd from Aug/2008
		Brie	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	08-Aug-2008			Pipe is completely iced in.
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		7	N	
Measured Rise (mm)				Est due to silt on floor -Al la/2008
Measured At Ring No.				3.1%
Sag (mm)	50			
Percent Sag	3			
Sidewall		8	N	Measured 1595 near c/lAug/2008
Measured Span (mm)	1595			At c/l.
Measured At Ring No.				
Deflection (mm)	5			
Percent Deflection	0			
Floor		N	N	
Bulge (mm)	0			Approx 200mm siltAug/2008
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		8	N	
Separation (mm)	30			
Longitudinal Seams		X	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)				

Bridge Inspection & Maintenance System (Web 2005)

	1	Brid	lge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	<u>n (mm)</u>):	, Rise (mm): 1600, Type: MP)
Coating		8	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			
Fish Passage Adequacy		Х	X	
Baffle		Х	Х	
(Туре:)		1		
Waterway Adequacy		9	5	Pipes iced in, water ponded in u/s channel.
Icing (Y/N)	Yes			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		7	N	GR was 7 from Aug-2008
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction		N		North end of east culvert.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		X	X	
Bevel End	1	8	N	Bureid in snow/ice.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			-
Above/Below (mm)	300		1	
Scour Protection		5	N	Rocks settled beside bevelAug/2008
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)		1	1	
Scour/Erosion		5	N	
Beavers (Y/N)	No			
Downstream End General Ratin	ng	5	5	GR carried fwd from Aug-2008
			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction		S		South end of west culvert.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	x	

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Wingwalls		X	Х	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		8	N	Under ice/snow
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			_
Above/Below (mm)	100			
Scour Protection		8	N	Snow covered
(Type : RIP RAP)				_
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	N	Minor erosion channel @ East embankment, no problem yetAug-2008
Beavers (Y/N)	No			
Upstream End General Rating	1	8	8	GR carried fwd from Aug-2008
		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (mm):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	08-Aug-2008			Pipe is completely iced in
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Туре :)				
Roof		8	N	
Measured Rise (mm)				_
Measured At Ring No.				Est due to silt on floorAug-2008
Sag (mm)	50			
Percent Sag	3			
Sidewall		8	N	
Measured Span (mm)	1600			At c/l.
Measured At Ring No.				_
Deflection (mm)	0			-
Percent Deflection	0			
Floor		Ν	N	
Bulge (mm)	0			Approx 200mm siltAug-2008
Measured At Ring No.				-
Abrasion (Y/N)			_	
Circumferential Seams	1	8	N	-
Separation (mm)	25			
Longitudinal Seams		X	Х	
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)				

Bridge Inspection & Maintenance System (Web 2005)

		Brid	lge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	<u>nm):</u>	, Rise (mm): 1600, Type: MP)
		8	N	
Corrosion By Soil (Y/N)				-
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			
Fish Passage Adequacy		X	X	
Baffle		X	Х	
(Туре :)				
Waterway Adequacy		9	5	Pipe iced in, water ponded in u/s channel.
Icing (Y/N)	Yes			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		8	N	GR was 8 from Aug-2008
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction		N		North end of west culvert.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		Х	X	
Bevel End		8	N	Snow covered
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		5	N	Snow covered
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)			-	
Scour/Erosion		5	N	Snow covered
Beavers (Y/N)	No		1	
Downstream End General Ration	ng	5	5	GR carried fwd from Aug-2008
		s	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	
				Degradation occurring at U/S areas. Gabion mats lead to file 13132 & start 60m D/S of these culverts
Bank Stability		Q	Q	Aug-2008
Darik Stability		0	0	

Structure Usage								
		Last	Now	Explanation of Condition				
HWM (m below Top of Culvert)				Ice to crown in April-2013				
Drift (Y/N) No								
Channel Bottom DEGRADING Degrading/Aggrading								
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		8	8					

Maintenance Recommendations												
Inspector Recommendations	Ye	ear	Inspector Comments	[Department Comm	nents		Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	DFF											
REPAIR SEAMS												
OTHER ACTION										_		
OTHER ACTION										_		
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No(%)	ow) 77	7.8/55.6	6 Sufficiency Rating (Last/Now) (%)) 71	71.7/50.0 Est. Repl. Yr 2037		2037	Maint. Reqd. (Y/N)		No		
Special Comments for Next Inspection	n. on for late s	summe	er/fall.	[(Department Comments							
Maintenance Reviewed By				[Date		E	stimated Total	0			
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Dave Lam	n	Prev	vious As	Assistant's Name							
Next Inspection Date	03-Jan-20	018	Prev	Previous Inspection Date 08-Aug-2008								
Inspection Cycle (Default) (months)	57											
Comment												