					Brida	ie Culve	ert Inspe	ection						
Bridge File Number 79282 -1 Bridge Culvert				Dilag	C Gaive			CUL1						
Year Built 1981							Lot No.			2				
Bridge or Town Name GURNEYVILLE							Inspector Name		Todd Warshawski					
Located Over	cated Over TRIBUTARY TO MURIEL CREEK			K. 7.5			Inspector Class		BR CLS B					
		WATERCRS-ST						Assistant Name		DIX 020 D				
Located On		657:02 C	21 7.076				Assistant Class							
Water Body CI	./Year						Inspection Date		14-Dec-2011					
Navigabil. Cl./Year  Legal Land Location NE SEC 23							Data Entry By		Theresa Lacusta					
Legal Land Loc	cation	NE SEC	23 TWP 59 RGE 6 W4M				Data Entry Date		10-Jan-2012					
Road Authority Alberta								Reviewer Name		Eric Carcoux				
Contract Main. Area CMA08							Date		30-Dec-2011					
Contract Main. Area CMA08 Clear Roadway/Skew 9 / 30 deg					Dept. Reviewer Name									
			-				Dept. Review Date		18-Jan-2012					
AADT/Year 710 / 20		010 (A)				Follow-Up By								
Road Classification RCU-21		0-110												
Detour Length		50												
Bridge Culver														
Number of Cul	T	1		l ,		1_								
Pipe #	Barrel	{	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		2400		MP	37		75X25	2.8	ROUND			
Special Feature		\	/ERT STEEL S								1=10	11100110		
Special Feature														
					Ut	ilities (L	ocated	at)						
Utility Attachmo							1		ı					
Telephone North r/w.						Gas								
Power	2 wire	es North r			Municip									
Others							Probler	n (Y/N)	No					
Remarks	BF ta	g installed	d @ top of Sou			-l- Dage	l / Emb							
				Α				ankment		tion				
Horizontal Alig	Horizontal Alignment				7	7	Explanation of Condition  Resident accesses SE & SW.							
Vertical Alignm					8	8	rteside	nt 400030	,C3 OL	a ow.				
		9.000												
rtoadway Wide			0.000											
Embankment					7	7								
Sideslope (_	_:1)		3.0											
(Height of Co	over(m)	: 2.2)												
Guardrail (Y/N)	)		Yes					Strike damage, broken post at NE turn down end.						
Approach Roa	nd / Emi	hankman	t Conoral Bat	ina	7	7								
Арргоасті Ко	au / Eiiii	Dankinen	i General Kal	iiig	<b>'</b>									
						Upstre	am End							
Culvert Comp	onent					Now	Explan	ation of	Condi	tion				
Direction					S									
End Treatment Others, None)	t (Concre	ete, Steel	, STEEL											
Headwall					Х	Х								
Collar					Х	X								
Misewalle			X	X										
Wingwalls (Shane: )				^										
(Shape : ) Cutoff Wall					Х	X								
Cuton wan					^	^								

79282 -1 Bridge Culvert

			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		6	N	(East side of bevel dented & torn. 20/Mar/2002) Under water/ice.					
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	300								
Scour Protection		6	N	Not much rock visible, grassed over.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		6	N						
Beavers (Y/N)	Yes			Lorgo dom et inlet					
Unatroom End Conoral Pating		6	l NI	Large dam at inlet.					
Upstream End General Rating		6	N	GR was 6 on 10-Aug-2008					
		Brid	dge Cu	Ivert Barrel					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, S	Span (mm	ı):	, Rise (mm): 2400, Type: MP)					
Barrel Last Accessible Date	20-Mar-2002			Ice to crown approx. 400mm.					
				100mm x 100mm HSS tube struts 1200mm OC. 75mm x 100mm					
				HSS tube whaler top and bottom.					
Special Features									
Special Feature			N						
(Type: VERT STEEL STRUTS)									
Special Feature									
(Type:)									
Roof		N	N	(Measured 2690 at 1/3L and 2/3L. 02/Mar/2002)					
Measured Rise (mm)	2690			(Previously rated "2" from 20/Mar/2002)					
Measured At Ring No.									
Sag (mm)	290								
Percent Sag	12								
Sidewall		N	N	(Previously rated "2" from 20/Mar/2002)					
Measured Span (mm)		1,4	1.4	(1 Teviously Taled 2 Holl 20/Mai/2002)					
Measured At Ring No.									
Deflection (mm)	240								
Percent Deflection	12								
	12	N.I.	N.I						
Floor	0	N	N						
Bulge (mm)	0								
Measured At Ring No.	No								
Abrasion (Y/N)	No								
Circumferential Seams	05	N	N						
Separation (mm)	65		T						
Longitudinal Seams		N	N	(20 cracked corrugations on 2nd section of pipe from South. 20ml steel remaining between cracks. 2002/03/20)					
Total No. of Cracked Rings	4			-					
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)	20								
Proper Lap (Y/N)									
Longitudinal Stagger (Y/N)									
Coating		5	N	Minor superficial rust of floor & lower sidewalls10-Aug-2008					
Corrosion By Soil (Y/N)									
Corrosion By Water (Y/N)	Yes								
Corrosion By Water Cylin									

79282 -1 Bridge Culvert

		Brid	dge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	i):	, Rise (mm): 2400, Type: MP)				
Ponding (Y/N)	Yes			1.2m-10-Aug-2008				
Fish Passage Adequacy		7	7					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	5					
Icing (Y/N)	Yes							
Silting (Y/N)	No							
Drift (Y/N)	Yes							
Barrel General Rating		4	4	Rating raised by 2 because of struts. GR carrried fwd from 10-Aug-2008				
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	X					
Collar		X	X					
Wingwalls		Х	X					
(Shape: )								
Cutoff Wall		X	X					
Bevel End		N	N	(NE corner lockseam pulled apart for 300mm. 02/Mar/2002)				
Heaving (mm)	100			Submerged.				
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300							
Scour Protection		6	N	Not much rock visible, grassed over10-Aug-2008				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		6	N					
Beavers (Y/N)	Yes			Heavy drift buildup @ opening - photo.				
Downstream End General Ratio	ng	5	N	GR was 5 on 10-Aug-2010				
				re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)		_						
Alignment		7	7					
Bank Stability		7	7					
HWM (m below Top of Culvert)				HWM not visible				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading								
Beavers (Y/N)	Yes							
(Fish Compensation Measure 1 :	·							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating			7					

			Maintenance R	ecommeno	lations					
Inspector Recommendations	Year	Year Inspector Comments			Department Com		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS		Пороск	or Commonto		Bopartmont com	monto		raigot roai	Lot. Cool	Jack
PLACE ADDITIONAL RIP RAP										1
REMOVE DRIFT ACCUMULATION	2012	Remove	dam from u/s and d/s.							
INSTALL CONCRETE/STEEL LINING		1.0								
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION		Replace	damage guardrail post.							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 44.4/4	14.4	Sufficiency Rating (Last/Now) (%)		55.2/47.4	Est. Repl. Yr	2026 Maint. Re		qd. (Y/N)	Yes
Special 93/02/18 - 19 crack 94/09/21 cracked 1 00/10/21 cracked 2	10mm steel left		racks.		Department Comments					
Maintenance Reviewed By		Date		E	stimated Tota	1 0				
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Dave Lam			Assistant's Name						
Next Inspection Date 14-M				Inspection Date	10-Aug-2008					
Inspection Cycle (Default) (months)	39									
Comment										