					Brida	e Culve	ert Inspe	ection						
Bridge File Nu	mber	01025 -			<u> </u>			CUL1						
Year Built							Lot No.			4				
Bridge or Town Name GIBBONS							Inspect	or Name	•	Wade Nanninga				
Located Over		TRIBUTARY TO NORTH SASKATCHEWAN					Inspector Class		BR CLS B					
		RIVER, 6.64, WATERCRS-ST					Assistant Name							
Located On		643:02 (	C1 14.307				Assista	nt Class						
Water Body C							Inspect	ion Date		19-May-2011				
Navigabil. Cl./							Data Eı	Data Entry By		Theresa Lacusta				
Legal Land Lo			18 TWP 56 R	GE 21 W	4M		Data Entry Date		08-Jun-2011					
Longitude, Lat			21, 53:50:04				Review	er Name	;	Arnold Assenheimer				
Road Authority			Transportation	(AIT)			Review	Date		30-May-2011				
Contract Main	Area CMA09  Dept. Reviewer Name Brent Herrick													
Clear Roadwa	y/Skew	12.6 /					Dept. R	Review Da	ate	14-Jun-2011				
AADT/Year		2,480 / 2					Follow-	Up By						
Road Classific	ation	RCU-21	0-110	-110										
Detour Length	` '	5												
Bridge Culver														
Number of Cu	T		1								1			
Pipe #	Barrel		Span	Rise (or	Dia.)	Type	Length			Corr. Profile	Pl./Slab Thickness	Shape		
1	U/S		_	1800		MP		8		125X26	2.8	ROUND		
1	MAIN		_	1800		MP		95		68X13	2.8	ROUND		
Special Featur				1000		IVII		90		00/13	2.0	INOUND		
Special Featur		ment												
Opeciai i eatui	163 00111	illelit												
					Uti	ilities (L	ocated	at)						
Utility Attachm	ents													
Telephone	West	r/w & Eas	st r/w.				Gas							
Power	4 OH	lines East r/w.					Municip	oal	Water	er West r/w.				
Others								Problem (Y/N) No						
Remarks	BF tag	g installe	d on top of Wes	st concret	e head	dwall.								
				A				ankment						
				Last	Now	Explanation of Condition								
Horizontal Alignment			5	5	Horizontal curve to south ~ 30m from crossing. No passing both directions.									
Vertical Alignn			_		7	7	unoutile.							
Roadway Widt	th (m)		12.600											
Embankment						8	(2:1 on East side. Owne			 ned by railway.				
	·1)	4.0			<u> </u>	Nov.18/2003) Could no			ot access railway land. Rock lined ditches &					
	Sideslope (:1) (Height of Cover(m) : 8)		7.0				geotextile.							
Guardrail (Y/N		. •,	Yes				Installe	d West s	ide onl	V				
Guardiali (1714)			103				Installed West side on			,.				
Approach Ro	ad / Eml	bankmer	nt General Rat	ing	5	5								
Culvert Com	onort					Upstre Now	am End	ation of	Condi	tion				
Culvert Comp	Jonett				W	INOM	Exhiau	audii Of	Condi	uon				
	t (Concre	ete, Stee	I, CONCRETE		VV		-							
Headwall					9	9								
Collar			9	9										
Wingwalls			Х	X										
(Shape: )						1								
(σαρσ.	,						1							

01025 -1 Bridge Culvert

		Upstre	am End
	Last	Now	Explanation of Condition
	N	N	
	8	8	
0			
1400	N	7	
	IN	'	
	N	7	
Scour/Erosion			
Yes			10m u/s.
	8	7	
	Brio	dge Cu	lvert Barrel
			Explanation of Condition
tion Code: U/S, Span			Rise (mm): 1800, Type: MP)
12-Mar-2008			Only accessible 20m from u/s due to water depth. Viewed from end-looks ok. Measured 1910 x 1650 12-Mar-2008
			8m length U/S bevel, 125 x 26 corr profile.
	5	N	
1910			At c/l.
			Upwards
110			6.1%
	4	N	
1650		11	At c/l.
1000			Inwards
150			8.3%
0	NI	NI.	700m water/silt
	IN	IN	700111 water/siit
No			
INU			
90	б	5	
00			
	5	5	Riveted seams. Rusting.
0			
	5	5	Minor superficial rust upper 1/2.
Yes			
		Last   N   8   0   BELOW   400   N	N

		Brid	dge Cu	Ivert Barrel					
Culvert Component		Last Now		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: U/S, Span	(mm):	, F	Rise (mm): 1800, Type: MP)					
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								
Fish Passage Adequacy		Х	5						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		6	6						
Icing (Y/N)	No			300mm silt along floor.					
Silting (Y/N)	Yes								
Drift (Y/N)	Yes								
Barrel Extension General Ratin	ng	4	4						
				ream End					
Culvert Component			Now	Explanation of Condition					
Direction		Е							
End Treatment (Concrete, Steel, Others, None)	NONE								
Headwall		Х	Х						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape: )									
Cutoff Wall		Х	Х						
Bevel End		Х	Х						
Heaving (mm)	0								
Invert Above/Below Stream Bed									
Above/Below (mm)	0								
Scour Protection		N	N	(Fill eroded 1.5m back along pipe on South side and approx 2.5m on					
(Type:)				North side. 17/Nov/2004) No access-CN row fenced off.					
(Avg. Rock Size(mm):)				The decease Stylew leneed on.					
Scour/Erosion		N	N						
Beavers (Y/N)	Yes			(Dam in outlet. Nov.18,2003)					
Downstream End General Ratio	ng	4	4	G.R. carried forward from 17/Nov/2004.					
		s	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		6	6						
Bank Stability		6	6						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading	DEGRADING			(Degrading D/S only Nov.18/03) 10m u/s.					
Beavers (Y/N) Yes									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	6						

			Maintenance R	ecommend	ations					
Inspector Recommendations		Year	Inspector Comments	GGG	Department Com	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS			-1					3		
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION	1									
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/C	JTOFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Las (%)	t/Now)	44.4/44.	Sufficiency Rating (Last (%)	/Now)	54.8/52.4	Est. Repl. Yr	2024	Maint. Re	qd. (Y/N)	No
Special Monitor deflection Next Inspection	ns. Confir	m erosior	n @ d/s end when visible.		Department Comments					
Maintenance Reviewed By					Date			Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Dave		Dave Lam P			Previous Assistant's Name					
		19-Aug-2014 Pro			evious Inspection Date 12-Mar-2008					
Inspection Cycle (Default) (months) 39										
Comment										