					Bridg	e Culve	ert Insp	ection						
Bridge File Number 76168 -1 Bridge Culvert						Form Type CUL1								
Year Built 1966						Lot No. 3								
Bridge or Town Name NORDEGG						Inspec	tor Name	!	Owen Salava					
Located Over		TRIBU	TARY TO NORTH SASKATCHEWAN , 6.181, WATERCRS-ST			Inspector Class BR CLS A								
Located On 11:02 C1						Assistant Name								
Water Body Cl./Year							ant Class							
Navigabil. Cl./Year							tion Date		08-Feb-2012					
Legal Land Location SE SEC 25 TWP 36 Re			3E 18 W	5M			ntry By							
			6:03, 52:07:03				Data Entry Date 02-Mar-2012							
		Transportation	(AIT)			Reviewer Name John O'Brien								
Contract Main. Area CMA18			2					Review Date 22-Feb-2012 Dept. Reviewer Name Andrew Smikles						
Clear Roadway		12.2 / 0									es			
AADT/Year			/ 2010 (A)					Dept. Review Date 09-Mar-2012						
Road Classifica			13.4-120			Follow-Up By								
Detour Length (300												
Bridge Culvert														
Number of Culv			1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		2019	2226		SPE		71		152X51	2.8	ELLIPSE		
Special Feature	s		CONC FLOOR	OR			<u> </u>							
Special Feature		nent												
					Uti	lities (L	ocated	at)						
Utility Attachme	nts					,		ar,						
Telephone	East r/	/w.					Gas							
Power							Munici	nal						
Others							m (Y/N)	No						
Remarks							1 10010	(, , , ,	1.10					
				A	oproac	ch Road	l / Emb	ankment						
				Last	Now	Explanation of Condition								
Horizontal Alignment				6	6	Vertical & horizontal crest & curve with limited sight distance. No								
Vertical Alignme	ent				6	6	passin	g. 						
Roadway Width (m)		12.200)											
Embankment				7	7									
Sideslope (:1) 3.0														
(Height of Cov	ver(m):	5.6)												
Guardrail (Y/N) Yes				East si	de only.									
Approach Roa	d / Emb	ankme	nt General Rati	ng	6	6								
						Upstre	am Enc							
Culvert Compo	nent				Last	Now	Explar	nation of	Condi	tion				
Direction					W									
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL											
Headwall					Х	Х								
Collar					Х	Х								
Wingwalls				Х	Х									
(Shape:)														
Cutoff Wall			Х	X										

			Upstre	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End	I	6	6	Minor rust from abrasion above concrete floor.				
Heaving (mm)	0			Thin is the track from about about some field from				
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	100			-				
Scour Protection	100	7	N	Snow covered.				
(Type : RIP RAP)			11	Onow covered.				
(Avg. Rock Size(mm) : 350)				-				
Scour/Erosion		7	N					
Scoul/Elosion		'	l IN					
Beavers (Y/N)	No							
Upstream End General Rating		6	6					
		Rri	dae Cu	llvert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN 9			· ·				
Barrel Last Accessible Date	08-Feb-2012	-pan (iiiii	.,. <u>2013</u>					
Dailer Last Accessible Date	00-1 GD-2012							
Special Features								
Special Feature		6	6					
(Type : CONC FLOOR)				1				
Special Feature								
(Type:)								
Roof		6	6	2157 to concrete.				
Measured Rise (mm)	2260							
Measured At Ring No.	7			-				
Sag (mm)	34			Upwards.				
Percent Sag	1			-				
Sidewall	'	6	6					
Measured Span (mm)	2013	0	U					
Measured At Ring No.	7			_				
Deflection (mm)	6			Inwards.				
Percent Deflection				-				
	0							
Floor	0	N	N	Concrete covered.				
Bulge (mm)	0			-				
Measured At Ring No.				-				
Abrasion (Y/N)								
Circumferential Seams	1-	6	6					
Separation (mm)	0							
Longitudinal Seams		6	6					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	Yes			1N				
Coating		5	5	Some abrasion on walls above concrete floor.				
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

Culvert Component (Pipe # : 1, Primary Span, Location Code: MAIN, Sp Fish Passage Adequacy Baffle	Last an (mm 3): 2019	Explanation of Condition , Rise (mm): 2226, Type: SPE) Very steep, outlet perched.
Fish Passage Adequacy Baffle	3 X	3	
Baffle	X		Very steep, outlet perched.
		V	
/T \		X	
(Type:)			
Waterway Adequacy	0	5	
Icing (Y/N) No			
Silting (Y/N) No			
Drift (Y/N) No			
Barrel General Rating	6	6	
	D	ownstr	eam End
Culvert Component	Last	Now	Explanation of Condition
Direction	E		
End Treatment (Concrete, Steel, Others, None)			
Headwall	X	X	
Collar	X	X	
Wingwalls	X	X	
(Shape:)			
Cutoff Wall	X	X	
Bevel End	6	6	Minor rust.
Heaving (mm) 0			
Invert Above/Below Stream Bed ABOVE			
Above/Below (mm) 700			
Scour Protection	3	3	Pipe perched 0.7m - photo.
(Type : NONE)			
(Avg. Rock Size(mm):)			
Scour/Erosion	3	3	Scour hole 0.8 x 6 x 8m - photo.
Beavers (Y/N) No			
Downstream End General Rating	3	3	
	S	tructu	re Usage
	Last	Now	Explanation of Condition
Channel (U/S and D/S)		1	
Alignment	7	7	
Bank Stability	5	5	Banks eroding D/S.
HWM (m below Top of Culvert) 0.1			
Drift (Y/N) Yes			
Channel Bottom AGGRADING Degrading/Aggrading			In channel @ U/S.
Beavers (Y/N) No			
(Fish Compensation Measure 1 : NONE)			
(Fish Compensation Measure 2 : NONE)			
Channel General Rating	7	7	

		Maintena	nce Recommer	dations					
Inspector Recommendations	Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat a
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP	2012	15m3 Class 2 D/S.							
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 (%)	low) 66.7/66	.7 Sufficiency Rating (%)	(Last/Now)	50.2/50.2	Est. Repl. Yr	2024	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection				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	Owen Salava		Previous	s Assistant's Name					
Next Inspection Date	08-Nov-2013		Previous	s Inspection Date	05-May-2010				
Inspection Cycle (Default) (months)	21								
Comment									