					Bridg	e Culve	ert Insp	ection						
Bridge File Num	ber	76169	-1 Bridge Culve	rt			Form 7	уре		CUL1				
Bridge File Number 76169 -1 Bridge Culvert Year Built 1966 Bridge or Town Name NORDEGG Located Over TRIBUTARY TO NORTH SASKATO RIVER, 6.183, WATERCRS-ST Located On 11:02 C1 24.268 Water Body CI./Year Navigabil. CI./Year Legal Land Location SW SEC 7 TWP 36 RGE 17 W5M Longitude, Latitude -116:25:12, 52:04:42 Road Authority Alberta Transportation (AIT) Contract Main. Area CMA18 Clear Roadway/Skew 12.2 / 0 deg. AADT/Year 360 / 2010 (A) Road Classification RAU-213.4-120 Detour Length (km) 300 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Span Rise (or Dia. 1 MAIN 4267 2946 Special Features Comment Utility Attachments Telephone East r/w. Power Others Remarks Appro- Last Horizontal Alignment Vertical Alignment Roadway Width (m) 12.200 Embankment					Lot No			3						
Located Over TRIBUTARY TO NORTH SASKATC RIVER, 6.183, WATERCRS-ST Located On 11:02 C1 24.268 Water Body CI./Year Navigabil. CI./Year Legal Land Location SW SEC 7 TWP 36 RGE 17 W5M Longitude, Latitude -116:25:12, 52:04:42 Road Authority Alberta Transportation (AIT) Contract Main. Area Clear Roadway/Skew 12.2 / 0 deg. AADT/Year Road Classification RAU-213.4-120							Inspec	tor Name		Owen Salava				
Located Over		TRIBU [*] RIVER	TARY TO NORT	TH SASK	ATCH	EWAN	-	Inspector Class BR CLS A						
Located On								Assistant Name						
			1 2 1.200				Assistant Class			 -				
·								tion Date		08-Feb-2012				
		SW SF	C 7 TWP 36 RG	SF 17 W5	M			Data Entry By Marcia Chavez						
				, , , , , ,				Data Entry Date 06-Mar-2012 Reviewer Name John O'Brien						
				(AIT)						John O'Brien				
			•	(/ /			Reviev			22-Feb-2012				
								Dept. Reviewer Name Andrew Smikles						
								Review Da	ate	09-Mar-2012				
			` ,				Follow-Up By							
										ı				
			1											
			Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 1	MAIN		4267	2946		RP		35		152X51	3.5	PIPE ARCH		
			-					100		1.00.00	1010	1		
		nent												
					Ut	ilities (L	ocated	at)						
	T '								I					
	East r/	W.					Gas							
						Municipal								
							Proble	m (Y/N)	No					
Remarks								_						
				Α				ankment		1				
Lie vine antal Aliana and			Last	_	Explanation of Condition Limited sight distance. On a crest curve. No passing.									
					8	8	Limited	i signi dis	tance.	On a crest curv	e. No passing.			
			12 200		5	5								
Roadway Widin	(111)		12.200											
Embankment					4	4	Scour	@ U/S go	ing into	o embankment	slightly - photo.			
Sideslope (:	:1)		3.0											
(Height of Cov	er(m):	1)												
Guardrail (Y/N)			No											
Approach Road	d / Emb	ankme	ent General Rat	ing	4	5								
Upstream End														
Culvert Compo	nent				Last	Now		nation of	Condi	tion				
Direction			W		_									
End Treatment (Others, None)	(Concre	te, Stee	el, STEEL											
Headwall					Х	Х								
Collar					Х	Х								
Wingwalls					Х	Х								
(Shape:)														
Cutoff Wall					X	X								

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed				At streambed.
Above/Below (mm)	0			
Scour Protection		4	N	Snow covered.
(Type : RIP RAP)		'		
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		4	N	(Minor erosion both sides of bevel. 05May2010).
Beavers (Y/N)	No			
Upstream End General Rating		4	4	GR carried forward from 05May2010.
		Drie	dae Cu	Ivert Parrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN S			· · ·
Barrel Last Accessible Date	08-Feb-2012	pan (IIIII	.j. 420 <i>1</i>	, moc ming. 2010, Type. Nr)
Darrei Last Accessible Date	00-F6D-2012			
Special Features				
Special Feature		N	N	Covered with gravel/rock/ice (last 10m at D/S gone - center 2m.)
(Type : CONC FLOOR)				1
Special Feature				
(Type:)		<u> </u>	_	
Roof		7	7	Unable to measure.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				-
Sidewall		7	7	
Measured Span (mm)	4260			-
Measured At Ring No.	7			-
Deflection (mm)	7			Inwards
Percent Deflection	0			
	10	NI.	l NI	(Conservate absorption demand least 40m inhosts 24 Dec 2002) Deals
Floor		N	N	(Concrete abrasion damage last 10m - photo. 21-Dec-2003) Rock covered.
Bulge (mm)				-
Measured At Ring No.	Vac			
Abrasion (Y/N)	Yes		T -	
Circumferential Seams		7	7	
Separation (mm)	0			l
Longitudinal Seams	1.	7	7	Lower seams not visible.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				1N except at haunch.
Min. Remaining Steel Between Cracks (mm)				η ολοσμιαι παυποπ.
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		6	6	Minor superficial rust. Abrasion on bottom plates.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Brio	dge Cu	lvert Barrel					
Culvert Component			T	Explanation of Condition					
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 4267, Rise (mm): 2946, Type: RP)									
Fish Passage Adequacy		3	3	Suspect fish passage not required. Steep.					
Baffle		6	N	(Missing baffle 6m from D/S end. 02/04/23) Heavy gravel/rock					
(Type : WEIR)				coverage, could not confirm. Ice covering gravel.					
Waterway Adequacy		7	7	Up to 1200mm rocks in barrel.					
Icing (Y/N)	No								
Silting (Y/N)	Yes								
Drift (Y/N)	No								
Barrel General Rating		7	7						
			ownstr	ream End					
Culvert Component		Last		Explanation of Condition					
Direction		Е							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar		Х	Х						
Wingwalls		X	X						
(Shape:)									
Cutoff Wall		Х	Х						
Bevel End		7	7	Minor superficial rust, abrasion damage.					
Heaving (mm)	0								
Invert Above/Below Stream Bed BELOW				Under rock.					
Above/Below (mm)	400								
Scour Protection		7	N	Snow covered.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)		1	1						
Scour/Erosion		7	N	(Minor scour at sides, ok. 05May2010).					
Beavers (Y/N)	No								
Downstream End General Ratio	ng	7	7						
		1	1	re Usage					
·		Last	Now	Explanation of Condition					
Channel (U/S and D/S)			1						
Alignment		8	8						
Bank Stability		5	5	Some erosion of channel banks U/S.					
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading	AGGRADING								
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	·								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		8	8						

		Maintenance I	Recommend	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	nents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP	2012	At U/S 10m3 Class II.							
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) 77.8/77	.8 Sufficiency Rating (Las (%)	t/Now)	55.0/65.4	Est. Repl. Yr	2024	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	Owen Salava		Previous	Assistant's Name					
Next Inspection Date	08-Nov-2013		Previous	Inspection Date	05-May-2010				
Inspection Cycle (Default) (months)	21								
Comment									