Bridge File Number 77594 -1 Bridge Year Built/Year 1967/1967 Supstr 1967/1967 Bridge or Town Name NORDEGG Located Over TRIBUTARY TO NORTH RAGE 161.2.6, WATERCRS-ST Located On 734:16 C1 57.695					Bridge In													
							Form Type			PCS								
Year Built/Year Supstr Bridge or Town Name Located Over Located On TRIBUTA 6.161.2.6 Located On T34:16 C Water Body Cl./Year Navigabil. Cl./Year Legal Land Location Longitude, Latitude Longitude, Latitude Tale Contract Main. Area Clear Roadway/Skew AADT/Year Road Classification Detour Length (km) T50 Allowable Load (t): Single CS1 GIRE Design Loading: Required Load Posting (t) Posted: Lane NB Posted: Lane SB			67					Lot No. Inspector Name				2 Owen Salava						
Bridge or Town I	dge or Town Name NORDEGG							Inspector Class										
Located Over	ocated Over TRIBUTARY				ARY TO NORTH RAM RIVER,						Assistant Name			BR CLS A				
								Assistant Class										
Water Body CI./Year Navigabil. CI./Year Legal Land Location NE SEC 2 TWP 38 I Longitude, Latitude -116:01:33, 52:14:3' Road Authority Alberta Transportation Contract Main. Area CMA18 Clear Roadway/Skew 6.4 / 0 deg. AADT/Year 60 / 2009 (A) Road Classification RLU-208G-90 Detour Length (km) 150 Allowable Load (t): Single CS1 30 GIRDER Design Loading: HS20 Required Load Posting (t) S Posted Loading (t) S Posted: Lane NB A Posted: Lane SB A Remarks Not required. Posted for 40 Hazard Marker At Bridge (Y/N) Yes Remarks Other Sign Types Utility Attachments				<u>'</u>				Inspection Date				02-Dec-2010						
·								Dat	a Entry	Ву		Marcia Chavez						
		NE SEC	2 T\\/D 3	2 PGE 18	5 \ <i>\\/</i> 5 \ <i>\</i>			Dat	a Entry	Date		03-Jan-2011						
				J VVJIVI							John O'Brien							
						Rev	iew Da	te		16-Dec-2010)							
			тапърога	ation (Arr)			Dept. Reviewer Name										
									Dept. Review Date			05-Jan-2011						
·							Foll	ow-Up	Ву									
									·	•								
			JG-90															
	ter Body CI./Year rigabil. CI./Year al Land Location gitude, Latitude ad Authority ar Roadway/Skew ar Roadway/Skew ad Classification our Length (km) wable Load (t): Sing sign Loading: uired Load Posting (ted Loading (t) ted: Lane ted: Lane marks Not req marks er Sign Types ty Attachments ephone ever ers		gle CS1 30 Semi				CS2 52		Train			3 75		> On Critic	al Spans			
D						GIRDE					GII	RDER		>Critical Member				
Design Loading:		HSZ	20			Po	sting Ir	nforn	nation					> Primary S	span			
Required Load F	Posting	(t)							Semi			Truck Train						
Posted Loading	(t)			T					Semi	mi			Truck Train					
Posted:	osted: Lane NB			At Junct	ion (Y/N)		No		In Adv	ance (Y	//N)	No	At B	ridge (Y/N)	No			
Posted:	Lane	SB			ion (Y/N)		No		In Adv	ance (Y	//N)	No		ridge (Y/N)	No			
Remarks	Not re	quired. P	osted for	40t; 54t a	at jct for a	no	ther bri	dge.										
Hazard Marker A	At Bridg	je (Y/N)	Yes															
Remarks																		
Other Sign Type																		
Remarks Not required. Posted for Hazard Marker At Bridge (Y/N) Yes Remarks Other Sign Types Utility Attachments				Uti	lities (L	oca	ted at)											
Utility Attachmer	nts																	
Telephone								Gas										
Road Classification RLU-208G-90 Detour Length (km) 150 Allowable Load (t): Single CS1 30 GIRDER Design Loading: HS20 Required Load Posting (t) Single Posted Loading (t) Single Posted: Lane NB At Junction Remarks Not required. Posted for 40t; 54t at Hazard Marker At Bridge (Y/N) Yes Remarks Other Sign Types Utility Attachments Telephone Power Others Remarks Horizontal Alignment Vertical Alignment Roadway Width (m) 6.700 Approach Bump Guardrail Length (m) No Guardrail Length (m)								nicipal										
								Pro	blem (Y	′/N) N	No							
Remarks																		
							Approa											
I I I Ali	4				Las		Now	<u> </u>	Explanation of Condition Sharp curve both directions.									
							4					tions. distance to S	South.					
			0.700			1	4											
			6.700															
			I		5	5	6											
` ,			NO				V											
					>	<u> </u>	X											
	ard (V/N	VI)	No															
Termination Ty	`	٧)	NONE															
Drainage	, , , ,				7	 7	7											
Approach Road	l Gene	ral Ratin	g		4	4	4											

East Now Explanation of Condition					9	Suners	structure					
Special Feature	Bridge Com	ponent										
Special Features		•	ns. Lenaths	s(m): 8.5. A-lde			- Zapiananon or containon					
Special Feature	1			, , , , , , , , , , , , , , , , , , , ,		,						
Crype : Special Feature						X						
Special Feature												
Type : Wearing Surface/Deck Top Detail Ratings		ure				X	-					
Wearing Surface/Deck Top Detail Ratings	•	410										
N % 1 % 2 % 3 % Snow covered.		face/Deck Ton	Detail Ratin	ins								
Last	vvcaring can				3 (%)		Snow covered					
Now	l ast	14 (70)	1 (70)	2 (70)	3 (70)		Show covered.					
Wearing Surface		100.0	0.0	0.0	0	0	-					
(Material Type :) (Thickness(mm) :) Lateral Connection Problem (YN) Deck Top 5 N (Covered with 50 mm gravel - rated what is visible. Top abraid gravel. Abraided by gravel where visible - photo. 22Nov2005). covered. Deck Rideability 6 6 6 Deck Joints X N Bump (YN) No Deck Drainage 7 7 Drains Clogged (YN) Curbs/Median 3 N (Minor spall NW and SW corner - rebar exposed. 22Nov2005). covered. Scaling (Percent Area) 1 Single layer with short splice, typical. Minor damage. Improper both sides. Soling (Percent Area) 1 Single Rail Ya A Single layer with short splice, typical all posts - photo. 22Nov. Rusting. Rusting. Rusting. Girder Detail Ratings N (count) Last Now 0 0 0 0 Girders Last Complete Inspection Date Cracking (YN) Yes Spalling (Percent Area) 1 Lift or Connector Pocket Grouted (YN) Yes Bridge is built level while road is on uphill grade to S.			0.0	1 0.0								
Thickness(mm):) Lateral Connection Problem (YrN) Deck Top 5 N (Covered with 50 mm gravel - rated what is visible. Top abraid gravel. Abraided by gravel where visible - photo. 22Nov2005). Covered. Deck Rideability 6 6 6 Deck Joints X N Buffer angle. Deck Joints Bump (Y/N) No Curbs/Median Curbs/Median Curbs/Median (Curb Type: Standard) Scaling (Percent Area) Bridge Rail (Type: FLEX BEAM) Bridge Rail Posts (Type: POST STEEL;POST STEEL) Bridge Rail Posts Circler Post Steel-Post Steel Bridge Rail Posts Girder Detail Ratings N (count) Last Now 0 0 0 0 Girders Last Complete Inspection Date Cracking (Y/N) Yes Spalling (Percent Area) 1 Hairline shear crack G6 W leg. Spalls at drift pin locations. Missing buffer angle. Middle Post overed. All A Single layer with short splice, typical. Minor damage. Improper both sides. Only 2 A'B per post have nut, typical all posts - photo. 22Nov. Rusting. Rusting. Hairline shear crack G6 W leg. Spalls at drift pin locations. Missing buffer angle. All A Single layer with short splice, typical. Minor damage. Improper both sides. Only 2 A'B per post have nut, typical all posts - photo. 22Nov. Rusting. Rusting. Hairline shear crack G6 W leg. Spalls at drift pin locations. Missing buffer angle at some girder ends, North end - photo. Cracking (Y/N) Yes Spalling (Percent Area) 1 List or Connector Pocket Grouted (Y/N) Yes Bridge is built level while road is on uphill grade to S.												
Lateral Connection Problem (Y/N) Deck Top 5 N (Covered with 50 mm gravel - rated what is visible. Top abraid gravel. Abraided by gravel where visible - photo. 22Nov2005). Deck Rideability 6 6 6 Deck Joints Bump (Y/N) No Deck Drainage 7 7 7 Drains Clogged (Y/N) No Curbs/Median 3 N (Minor spall NW and SW corner - rebar exposed. 22Nov2005) covered. Scaling (Percent Area) Scaling (Percent Area) Single layer with short splice, typical. Minor damage. Improper both sides. (Only 2 A/B per post have nut, typical all posts - photo. 22Nov. Bridge Rail Posts (Type : POST STEEL; POST STEEL) Bridge Rail/Posts Coating (Type : PAINT) Sidewalk X X Sirrel layer with short splice, typical. Minor damage. Improper both sides. (Only 2 A/B per post have nut, typical all posts - photo. 22Nov. Rusting. Rusting. Sidewalk X X Sirrel layer with short splice, typical. Minor damage. Improper both sides. (Only 2 A/B per post have nut, typical all posts - photo. 22Nov. Rusting. Sidewalk X X Sirrel layer with short splice, typical. Minor damage. Improper both sides. (Only 2 A/B per post have nut, typical all posts - photo. 22Nov. Rusting. Rusting. High control of control of the side of the proper both sides. (Only 2 A/B per post have nut, typical all posts - photo. 22Nov. Rusting. Sidewalk X X Hairline shear crack G6 W leg. Spalls at form grider ends, North end - photo. 22Nov. 2005). Spalling (Percent Area) Lift or Connector Pocket Grouted (Y/N) Yes Span Alignment Problems Vertical (Y/N) Ves Bridge is built level while road is on uphill grade to S.		· · · · · · · · · · · · · · · · · · ·					_					
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gravel. Abraided by gravel where visible - photo. 22Nov2005). covered. Deck Rideability		lection Problem	II INO									
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Control of the cont		ercent Alea)	20		1	1 4	Cingle layer with short online typical Miner demand Imprener lan en					
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Rusting. Rusting.		•			1	l NI	(Only 2 A/B per post have nut, typical all posts - photo. 22Nov2005).					
Bridge Rail/Posts Coating (Type: PAINT) Sidewalk X X Girder Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Last Now 0 0 0 0 Girders Last Complete Inspection Date 02-Dec-2010 Cracking (Y/N) Yes Spalling (Percent Area) 1 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders: 8) Span Alignment Problems Vertical (Y/N) Yes Bridge is built level while road is on uphill grade to S.			OT OTEEL		3	IN	Rusting.					
Circle PAINT	· ' '	-	OSI SIEEL)				-					
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LastNow000Girders55Hairline shear crack G6 W leg. Spalls at drift pin locations. (Missing buffer angle at some girder ends, North end - photo. 22Nov2005).Cracking (Y/N)Yes22Nov2005).Spalling (Percent Area)1Moving is evident by end diaphragm spalls. G7 wide long. crack AZ, sound concrete (photo).Lift or Connector Pocket Grouted (Y/N) (Number Of Girders: 8)YesAZ, sound concrete (photo).Span Alignment Problems Vertical (Y/N)YesBridge is built level while road is on uphill grade to S.	Girder Detail											
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Span Alignment Problems Vertical (Y/N) Yes Bridge is built level while road is on uphill grade to S.	Grouted (Y/N)											
Vertical (Y/N) Yes Bridge is built level while road is on uphill grade to S.												
Horizontal (Y/N) No							Bridge is built level while road is on uphill grade to S.					
	Horizontal (Y/N) No											
Superstructure General Rating 5 5	Superstruct	ure General R	ating		5	5						

					Subs	tructure
Bridge Co	mponent			Last	Now	Explanation of Condition
Abutments	S					
(Extende	d Backwall Pile	s (Y/N) : Y)				
(Extende	d Backwall Pile	s Spacing(mr	n) : 700)			
(Total Num	nber of Caps/Co	rbels : 1:1)				
Bearing Se	ats/Caps/Corbe	els Detail Rati	ngs			
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last						
Now	0	0	0		0	
Bearing Se	eats/Caps/Corbe	els		6	6	
(Type : T	REATED TIMB	ER)				
(Depth(m	nm) : 305)					
	nm) : 305)					
	Breastwalls			4	4	N abut gap near bottom, front sheathing not effective - photo. Moleose fill from future washout.
	Height (m)	3.00				loose fill from future washout.
Wingwalls				5	5	NE wing heaved - photo.
(Total Num	nber of Bearing l	Piles : 5:5)				
Piles Detai	l Ratings					
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last	0	0	0		0	
Now	0	0	0		0	
Piles				6	6	
Paint/Coati	ing			X	X	
A1	O. 1 '''					
Abutment \$	Stability			4	4	Possible fill loss, breastwall not effective, high backwall.
Scour/Eros	sion			7	7	
Piers/Bent	ts					
(Type:)						
	ber of Caps/Co	rbels :)				
	eats/Caps/Corbe		nas			
<u> </u>	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last	(2.2.2.3)	(3.3.3.7)	,		,	
Now						
	eats/Caps/Corbe	els	<u> </u>	Х	X	
(Type:)					1	
(Depth(m	nm) :)					
(Width(m						
	nber of Bearing I	Piles :)				
Piles Detai						
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last	(===:::)	(222)	(5.5.5)	(300	,	
Now						
Pier Shaft/	Piles	<u>'</u>		Х	X	
	Height (m)				1 1	
	ruts/Sheathing			X	X	
				,		
Nose Plate				X	X	
Paint/Coating					X	
	Description :)			X		
(Colour C						
Pier Stabili				X	X	
	•					

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Scour			X	
Debris (Y/N) No				
Substructure General Rating			4	
			Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		5	5	
Bank Stability			5	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type: NATURAL; NATURA	L)			
Guidebank/Spurs			X	
Adequacy of Opening			7	
(Fish Compensation Measure 1	· · · · · · · · · · · · · · · · · · ·			
(Fish Compensation Measure 2	: NONE)			
Channel General Rating		5	5	

			Maintenance Re	commend	ations						
Inspector Recommendations		Year	Inspector Comments		Department Con	nmen	ts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL		2011	Upgrade to meet standard (double lainstall missing nut on post A/B (20).	yer);							
SEAL CURBS		2011	NW, SW & SE corners, patch concretedone.	te if not							
PATCH DECK											
OVERLAY DECK											
STRAIGHTEN/REPLACE MEMBER	S										
WASHING											
SHOTCRETE REPAIRS											
CORE TIMBER CAPS/CORBELS											
REPAIR/REPLACE TIMBER CAPS											
REPAIR ABUTMENT SCOUR/ERO	SION										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL STRUTS											
OTHER ACTION		2011	Install approach rail.								
OTHER ACTION		2011	Raise front sheathing at North backw rows).	all (2							
OTHER ACTION			·								
OTHER ACTION											
Structural Condition Rating (Last	Now)	50.0/50.	0 Sufficiency Rating (Last/N	low)	53.0/53.0	Est	. Repl. Yr	2020	Maint. Re	eqd. (Y/N)	Yes
Special Check beginning Comments for Next Inspection	of shear o	crack 2nd	girder from E, S end.		Department Comments	,			·		
Maintenance Reviewed By					Date				Estimated Total	I 0	
Proposed Long-Term Strategy	2004.0	05.30 Brid	dge should be good until 2017.								
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Dave		Lam		Previous /	Assistant's Name						
Next Inspection Date	02-Ma	ır-2014		Previous I	nspection Date		22-Nov-2005				
Inspection Cycle (Default) (months)	39										
Comment											

Bridge Inspection & Maintenance System (Web 2005)