Bridge Inspection																
Bridge File Number 00183 -1 Bridge							Foi	Form Type			TH					
Year Built/Year Supstr		1912/1	912						No.			2				
Bridge or Town Name CLARESHOLM								pector N			Ed Kowal					
					Inspector Class				BR CLS A							
Located Over WILLOW CREEK, 2.12.25, WATI Located On 520:02 C1 35.639					LIC	110-01		sistant N			Owen Salava					
	Voor	320.02	C1 35.038	,				Ass	sistant C	Class		BR CLS A				
Water Body Cl./								Ins	pection	Date		04-Jun-2010)			
Navigabil. Cl./Ye		014/ 05	O 40 TM/5	40.00	- 07 \4/	45.4		Da	ta Entry	Ву		Erin Roberts				
Legal Land Loca			C 18 TWF		= 27 VV	4IVI		Da ⁻	ta Entry	Date		13-Mar-2011				
Longitude, Latitu	ıde):56, 49:59					Re	viewer 1	Name		Garry Roberts				
Road Authority			Transport	ation (A	11)			Re	view Da	ite		02-Mar-2011				
Contract Main. A		CMA26	<u> </u>					De	pt. Revi	ewer	Name	Lorenz Bohr	ert			
Clear Roadway/	Skew	6.7 /						De	pt. Revi	ew Da	ate	14-Mar-2011				
AADT/Year		240 / 2	. ,					Fol	low-Up	Ву						
Road Classificat	tion	RCU-2	09-110					_								
Detour Length (I		5														
Allowable Load	(t): Sin	igle CS	S1 26		Semi	С	S2 45			Train		3 63 RINGER		> On Critic	al Spar ember	ns
Design Loading:		HS	S20											> Primary	Span	
						P	osting	Infor	mation							
Required Vert. C	Clearan	ice Post	ing (m)													
Posted Vertical	Cleara	nce (Y/N	1)	Yes												
Posted: Lane	EB	On	Bridge (m)	6.1	In Adv	ance	(Y/N)	Yes	Lane	WB	C	n Bridge (m)	6.1	In Advance	(Y/N)	No
Remarks			98 and 6.2 .204 West													
Required Load F	Posting	(t)		Single			26		Semi 45			45	Trucl	k Train		
Posted Loading	(t)			Single		26.0			Semi		45.0	Trucl	k Train			
Posted:	Lane	EB		At Jun	ction (Y	′/N)	No		In Advance (Y/N) Yes At Bridge (Y/N)			No				
Posted:	Lane	WB		At Jun	ction (Y	′/N)	Yes					idge (Y/N)	No			
Remarks	Loadii	ng signs	are suffic	ent. Als	o max.	1 tru	ick on bridge.									
Hazard Marker	At Bride	ge (Y/N)	Yes													
Remarks				of guard	Irail & ι	ıp to	1m out	from	bridge a	ıt Wes	st abut					
Other Sign Type	es			Truck or		•										
3 71								Loca	ited at)							
Utility Attachmer	nts Ti	ELEPHO	ONE UTILI	TIES-PI	HONE I	LINE										
Telephone	South	bottom	chord. Tw	o lines				Ga	S							
Power	3 lines	s 10m N	orth from o	:/l.				Mu	nicipal							
Others									blem (Y	//N)	No					
Remarks	Condu	uit disjoi	nted at bot	h ends.	- not a	prob	lem									
							Appro	ach F	Road							
						Last	Now	Ex	Explanation of Condition							
Horizontal Align	ment					7	7	Int.	Int. with RR280 5m East							
Vertical Alignment			8	8												
Roadway Width	(m)		7.300													
Approach Bump)					5	6									
Guardrail (Y/N) Yes						t thriebe										
Guardrail				6	6	Cla	iss 4 at	NE								
Length (m)			4.000													
Current Standard (Y/N) No																
Termination T	уре		Turndo	wn												
Drainage						7	7	Gra	avel win	drow	under	guardrail				
Approach Road	d Gene	ral Rati	ng			7	7									

	Superstructure							
Bridge Comp	onent			Last		Explanation of Condition		
(Primary Span	n : TH, 1 Spa	ns, Lengths(n	n): 61, A-Iden	t Numb	er: A0	103-05)		
Special Feat	ures							
Special Featu	ıre				X			
(Type:)								
Special Featu	ıre				X			
(Type :)								
Wearing Surfa	ace/Deck Top	Detail Ratings	3					
	N (%)	1 (%)	2 (%)	3 (%)				
Last	0	0	0		0			
Now	0.0	0.0	0.0	0	0.0			
Wearing Surfa	ace/Deck Top)		4	4	Planks damaged at both abutments with minor end rot and wear to		
(Material Ty	/pe : UNTRE	ATED TIMBER	.)			deck		
(Plank Thic	kness(mm): 7	75)						
(Plank Widt	h(mm) : 300)							
Deck Rideability					5			
Deck Joints	Deck Joints X							
Temperatur	re (deg. C)							
(Expansion	Type :)							
(Fixed Type								
Gap Size (n	nm)	Gap L	ocation					
Curbs/Wheel	Guards			4	3	15 split or turned blocks		
	: Standard)					1 split plank at NW corner		
	ATED TIMB	ER)						
(Thickness(,						
(Width(mm)	·							
Bridge Rail				5	4	Missing 8 splice bolts. Triple Layer		
(Type : GAI	LVANIZED S	TEEL FLEX B	EAM)			No blocking at 10 verticals		
Bridge Rail Po	osts/Blocking			5	4	The blocking at to verticals		
(Type : TRE	EATED TIMB	ER;TREATED	TIMBER)					
Bridge Rail/Po	osts Coating			6				
(Type : GAI	LVANIZED)							
Sidewalk				Х	Х			

				Supers	tructure				
Bridge Component					Explanation of Condition				
(Primary Span : TH, 1 Spa	ns, Lengths	m): 61, A-Ide	nt Numb	oer: A0	103-05)				
Wide Load Damage (Y/N)	Yes								
High Load Damage (Y/N)	No								
Top Chord			7	7					
Batter Posts			7	6					
Sway Bracings			6	6					
Diagonals			6	5	20 mm local bend U4M2S, 30mm bend M2L5N.				
Verticals			5	5	U4L4N 25mm local bends. End verticals are welded.				
Portals			7	7	Miss drilled extra holes on each angle at U6L5S. Strained holes at bottom tie plates along M1L4N.				
Connections			6	4	Floor beam sits on a cantilevered shoe plate because bearing was				
Floor Beams			6	6	replaced.				
Bottom Chord			6	5	10mm, 20mm, 40mm and 25mm dents along L2L3N, L3L4N, L6L7N,				
(No. of Stringers : 80)					L7L8N respectively				
Stringer Detail Ratings					10/ bay				
N (count)	1 (count)	2 (count)	3 (cou	ınt)					
Last	· (count)	2 (66411)	0 (00)	<i></i>					
Now									
Stringers			7	7					
(Type : STEEL)									
(Width(mm) : 140)					2, 3,4, 7, 9 - 140 x 380 mm. 5, 6, 8 - 175 x 410 mm. 2 outside channels 85 x 380 mm.				
(Depth(mm) : 380)									
(Spacing(mm) : 801)									
Paint Condition			4	4	5% of splash zone has superficial corrosion. Stringers and floor				
(Colour Description : GR	PEEN)				beams have corrosion.				
(Colour Code : 14090)	LLI4)								
Touchup Required (Y/N)	No								
	INO		7	5	Teflon, SS on east abut				
Bearings Temperature (dec. C)	15		1	3	Abut 1. is fixed				
Temperature (deg. C)	15 FORCED NE		A DINIC M	// T LL	1 anchor bolt missing at L8N bearing				
(Expansion Type : REIN TEFLON AND STAINLE		JPKENE BEA	ARING W	VIIH					
(Fixed Type : PINNED B	EARING)								
Functioning (Y/N)	Yes								
Sub Deck/Deck Underside			6	6					
(Material Type : TREAT									
(Plank Thickness(mm) :									
(Plank Width(mm) : 300)									
Defects (Percent Area)	5								
Span Alignment Problem									
Vertical (Y/N)	No								
Horizontal (Y/N)	No								
Superstructure General Rating				4					
	aung		5						
				Subst	ructure				
Bridge Component			Last	Now	Explanation of Condition				
Abutments									
(Extended Backwall Pile	s (Y/N) : Y)								
(Extended Backwall Pile	s Spacing(mn	n): 900)							

					Subst	ructure
Bridge Com	ponent			Last	Now	Explanation of Condition
(Total Number of Caps/Corbels : 18:18)						Top corbels lack stiffeners on interior webs.
Bearing Seats/Caps/Corbels Detail Ratings						Top cap at West abut is rotted. Top caps and subcaps are TT.
	N (count)	1 (count)	2 (count)	3 (count)		Top cap at west abut is folied. Top caps and subcaps are TT.
Last	0	0	0		1	
Now	0	0	0		1	
Bearing Seat	s/Caps/Corbe	ls	<u>'</u>	3	3	
(Type : STE						
(Depth(mm						
(Width(mm)): 300)					
Backwalls/Br				6	7	
Greatest He	eight (m)	2.90				
Wingwalls				6	7	
	er of Bearing F	Piles : 12:12)				
Piles Detail R						
	N (count)	1 (count)	2 (count)	3 (co		
Last	0	0	0		0	
Now	0	0	0		0	
Piles				6	7	
Paint/Coating	9			X	X	Caps and corbels not painted.
Abutment Sta	ability			7	7	
Scour/Erosion			6	6		
Piers/Bents						
(Type:)						
	er of Caps/Co	rhale · \				
	s/Caps/Corbe	· · · · · · · · · · · · · · · · · · ·	าตร			-
Boaring Coat	N (count)	1 (count)	2 (count)	3 (co	unt)	
Last	(555)	(000000)				
Now						
Bearing Seat	s/Caps/Corbe	ls	<u>'</u>	Х	X	
(Type:)	<u>'</u>					
	er of Bearing F	Piles :)				
Piles Detail R						
	N (count)	1 (count)	2 (count)	3 (co	unt)	
Last						
Now						
Pier Shaft/Pil	es			Х	X	
Greatest He	eight (m)					
Bracing/Struts/Sheathing			X	X		
Nose Plate			Х	X		
Paint/Coating				Х	X	
(Colour Des						
(Colour Co	de :)					
Pier Stability					X	
Scour				Х	Х	
Debris (Y/N)		Yes				2 old piles in channel. 11 old piles at abutment 2

Substructure									
Bridge Component L			Now	Explanation of Condition					
Substructure General Rating		5	5	Rotted top cap does not govern general rating.					
		S	re Usage						
		Last	Now	Explanation of Condition					
Channel									
(U/S Direction : N)				Sharp bend D/S.					
(D/S Direction : S)									
Alignment		6	6						
Bank Stability			6	High flow attacking bank at NE, with minor erosion. Vertical banks D/S					
HWM (m below Top of Curb)	1.0			(Water has flowed above bottom chord.) 99/07/06					
Drift (Y/N)	No			Minro drift in corbel area					
Slope Protection		5	5						
(Type: NATURAL; NATURAL)								
Guidebank/Spurs			Х						
Adequacy of Opening			4	Water has been above bottom chord					
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		5	4						

Bridge Inspection & Maintenance System (Web 2005)

00183 -1 Bridge

			Maintenance Rec	ommendations				
Inspector Recomm	nendations	Year	Inspector Comments	Department Co	omments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE	E BRIDGE RAIL	2011	Install rail bolts and splice bolts					
RETROFIT BRIDG	SE RAIL							
SEAL CURBS		2011	15 wheelguard blocks and one top pla	ınk				
PATCH DECK		2011	6-3x12x8' at ends					
SEAL DECK								
OVERLAY DECK								
REPLACE STRIP	DECK							
REPLACE SUB DE	ECK							
RESET/ PAINT BE	ARINGS	2011	Install anchor bolt					
REPAINT SUPERS	STRUCTURE							
STRAIGHTEN/REI	PLACE MEMBERS	2011	Heat straighten U4m2S and m2L5N					
WASHING			-					
SHOTCRETE REP	PAIRS							
CORE TIMBER CA	APS/CORBELS							
REPAIR/REPLACE	E TIMBER CAPS	2011	Replace West backwall cap					
REPAIR ABUTME	NT SCOUR/EROSION							
PLACE ADDITION	IAL RIP RAP							
REMOVE DRIFT A	ACCUMULATION							
OTHER ACTION								
OTHER ACTION		2011	Install W/B advance vertical clearance	sign.				
OTHER ACTION		2011	Set hazard markers to standard					
OTHER ACTION		2011	Drill and install bolts at U6S					
OTHER ACTION								
OTHER ACTION								
OTHER ACTION	OTHER ACTION							
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condit (%)	ion Rating (Last/Now)	55.6/50.	Sufficiency Rating (Last/N	ow) 54.6/48.9	Est. Repl. Yr	2025 Maint. Re	eqd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor strained holes	at L3N for cra	cking	Department Comments	·			
Maintenance Revie	Maintenance Reviewed By					Estimated Total	al 0	
Proposed Long-Te	erm Strategy							
On 3-Year Program	m (Y/N)							

Alberta Transportation

Proposed Action			
Previous Inspector's Name	Garry Roberts	Previous Assistant's Name	
Next Inspection Date	04-Sep-2013	Previous Inspection Date	21-May-2010
Inspection Cycle (Default) (months)	39		
Comment			