						Bridge I	nspectio	on					
Bridge File Num	·						Form T	Form Type PCS					
Year Built/Year	ar 1971/1971						Lot No			1			
Supstr		0740				Inspector Name Jason Saly							
Bridge or Town	Name	CZAR	IE ODEE		/ATEDO	DO OT	Inspec	tor Cla	ass	BR CLS A			
Located Over		RIBSTON		K, 5.2, W	ATERC	K5-51	Assistant Name						
Located On	·/	41:14 C1	52.135				Assista	Assistant Class					
Water Body Cl./							Inspec	tion Date 27-Nov-2012					
Navigabil. Cl./Ye		NIM OF C	0 TMD 4	0.000	10/404		Data E	ntry B	Sy	Marcia Chav	/ez		
Legal Land Loca		NW SEC			VV4IVI		Data E	ntry D	ate	14-Jan-2013	3		
Longitude, Latitu	iae	-110:48:5			`		Review	ver Na	ame	John O'Brie	n		
Road Authority Contract Main. A	\ ===	Alberta T CMA22	ransporta	ation (AII)		Review	v Date	•	14-Dec-201	2		
Clear Roadway/		12.8 / -15	dog (LE	1⊏/			Dept. F	Reviev	ver Nam	e Andrew Smi	kles		
AADT/Year	SKEW			ii- <i>)</i>		Dept. Review Date 17-Jan-2013							
Road Classificat						Follow-Up By							
Road Classification RAU-211.8-110 Detour Length (km) 4													
						CS2 49 GIRDER		Train CS3 65> On Critical N			> On Critic	al Spans ember	
Design Loading: HS20				I	<u> </u>						> Primary		
						Posting I	nformat	ion				, i i i i i i i i i i i i i i i i i i i	- p
Required Load Posting (t) Single						Se				Truck Train			
Posted Loading (t)			Single				Se	Semi			Truck Train		
Posted:	Lane	NB At Junction			ion (Y/N)) No	In Advance (Y/N)) No	At Bridge (Y/N)		No	
Posted:	Lane	SB At Junction (ion (Y/N)) No	In.	In Advance (Y/N) No) No	At Bridge (Y/N) No		No
Remarks													
Hazard Marker At Bridge (Y/N) Yes													
Remarks All are 600mm off line					ff line. Ha	azard mar	kers not	requir	ed thou	gh.			
Other Sign Types													
						Utilities (Located	at)					
Utility Attachments													
Telephone West r/w attached to West curb.							Gas		Cro	ssing 150m No	rth.		
Power	4 o/h l	lines E fence line.					Munici						
Others							Proble	m (Y/ľ	N) No				
Remarks													
							Explanation of Condition						
Horizontal Alica	mon ⁴				La			Explanation of Condition					
Horizontal Alignment						6 6 7 7	sight d	Gradual curve 150m North with good sight distance. Slight crest curve 200m South.					
Vertical Alignme Roadway Width			11.400			, ,							
Approach Bump			11.400			6 6							
Guardrail (Y/N)			Yes			0 0	Minor	damad	ge @ SV	V			
Guardrail			163			N 5	(Kink @	ıamaç	NE rail i	v. incorrect lap @	last s	section. 17Aug	2009).
Length (m)			23.000			, 3	Insuffic	cient le	enath & i	insufficient pos	ts.		
Current Stand	ard (Y/	N)	No						g 🐼 1	Juololik poo			
Termination Ty	•	. •)	Turned	Down									
Drainage	,,,,		Tannou		1	N N	Snow	covere	ed.				
Approach Road	d Gene	ral Ratino	1			6 6							

						Suners	structure				
Bridge Component							Explanation of Condition				
	n : HC, 3 Spai	ns Lenath	s(m)· 6	1-8 5-6 1			· •				
Special Feat		no, Longa	<u> </u>	1 0.0 0.1	, /\ IGO	iii itaii					
Special Feat						X					
•	ui e										
(Type:)						V					
Special Featu	ure					X					
(Type:)					1						
Wearing Surf	ace/Deck Top										
	N (%)	1 (%)	2 (%	5)	3 (%)						
Last	20	0		0		0	Snow covered.				
Now	30.0	0.0		0.0	0	0.0					
Wearing Surf	ace				4	4	(Doesn't go all the way out to curbs (200 - 600mm) - photos. 10mm cracks in ACP between units - photo				
(Material Type : ACP - CONVENTIONAL CHIP SEAL					COAT	Γ)	(200 - 600mm) - pnotos. 10mm cracks in ACP between units - pnoto. 17Aug2009).				
(Thickness(mm): 110)							Wide unsealed cracks @ abuts & piers - photo; A2 chipsealed.				
Lateral Conn (Y/N)	ection Problem	n No					Rating based on previous inspector's comments. There are long. cracks reflecting through the chip seal coat.				
Deck Top					N	N	ACP covered.				
Deck Rideab	ility				6	6					
Deck Joints					N	N	ACP covered.				
Bump (Y/N)	No					Cracks through the ACP at jnts.				
Deck Drainag	ge				N	4	Snow covered.				
Drains Clog	gged (Y/N)	No					Damage to girder legs related to drainage btwn girders.				
Curbs/Media	n				N	3	(Heavy scaling top S2, West. Spalls on face and ousides getting poor				
(Curb Type	: Standard)						@ S2 - photos. Damage @ P1. 17Aug2009).				
Scaling (Percent Area) 10							Spall under post plates at SW corner & at S2G1 at P1. Curbs mostly snow covered.				
Bridge Rail					N	5	Double layer.				
(Type : GALVANIZED STEEL FLEX BEAM)					IN	J J	Lapped wrong, but structurally fine.				
Bridge Rail Posts					3	4	Spall behind post @ SW S2 with rebar exposed.				
(Type : GALVANIZED POST STEEL;GALVANIZED						4	Opan borning post @ OW OZ with robal exposed.				
Bridge Rail/Posts Coating					N	6					
5					IN	0					
(Type : GALVANIZED)					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						
Sidewalk					X	X					
Girder Detail Ratings											
N (count) 1 (count) 2 (count)			ount)	3 (cou	ınt)						
Last	0	0	Ì	0	0						
Now			0		2						
Girders					4	3					
	te Inspection D)ate 27-N	Nov-2012	2							
	•						5/15 of center span girders have hairline/narrow shear cracks.				
Cracking (Y/N) Yes							S2 curb units with spall in AZ with cracking in other leg.				
Spalling (Percent Area) 2 Lift or Connector Pocket Grouted (Y/N) Yes							28 of 45 have wide long. cracks in one leg in AZ of which 4 have cracking in other leg; all with sound concrete. S2G1 cracking both legs in AZ.				
(Number Of C	•						S1G6 & S3G6 both legs cracked in AZ. Minor spalling within AZ, 4/45 girders. Spall @ NW curb unit over cap @ S2. S3G7 has 1 leg spall in AZ. S2G1-15 interior legs spall full length with sitrrups exposed.				
Span Alignm	nent Problems	s					3				
Vertical (Y/		No					24mm diff S1/2.				
Horizontal (Yes									
					4	3					
Superstructi	ure General R	aung			4	3					

					ructure				
Bridge Comp	onent			Last	Now	Explanation of Condition			
Abutments									
(Extended E	Backwall Piles	(Y/N) : Y)							
(Extended E	Backwall Piles	Spacing(mm)) : 1300)						
(Total Numbe	er of Caps/Cor	bels : 3:3)				Subcaps. Could only see 2 caps at A1.			
Bearing Seats	s/Caps/Corbel	s Detail Ratin	gs						
	N (count)	1 (count)	2 (count)	3 (cou	ınt)				
Last	0	0	0	-	0				
Now	0	0	0		0				
Bearing Seats	s/Caps/Corbe	ls		7	6				
(Type : TRE	EATED TIMBE	ER)							
(Depth(mm)) : 350)								
(Width(mm)	: 300)								
Backwalls/Bre	eastwalls			6	6	SW corner top plank damaged, still functions @ A1.			
Greatest He	eight (m)	1.10							
Wingwalls				6	N	Extended backwall - Snow covered.			
(Total Numbe		Piles : 0:0)							
Piles Detail R			<u> </u>						
					ınt)				
Last	100	0	0		0				
Now	100	0	0		0	Headslope to underside of caps.			
Piles				N	N	Trouble to underende or cape.			
Paint/Coating				X	X				
Abutment Sta	bility			7	7				
Scour/Erosion	า			4	4	Minor erosion @ SW, center of S1, NW, NE ends of S3.			
Piers/Bents									
	R-COLUMN)								
	er of Caps/Cor	holo : 2:2\				-			
	<u> </u>	· · · · · · · · · · · · · · · · · · ·	orc .			-			
bearing Seats	Bearing Seats/Caps/Corbels Detail Ratings N (count) 1 (count) 2 (count) 3				ınt)				
Last	0	0	0	3 (cou	0				
Now	0	-							
Bearing Seats	_	0	0	7	0 5	W end of S pier cap is cracked & slightly spongey.			
	·			, ,	l S	-			
(Type : TRE (Depth(mm)	EATED TIMBE	_K)							
(Width(mm)	·								
	•	Diloc : 44:44)				Samo pila chagking ak			
	er of Bearing F	11 0 5 . 11:11)				Some pile checking - ok.			
Piles Detail R		1 (count)	2 (count)	2 (00)	ınt)				
Last	N (count)		2 (count)	3 (cou					
Last Now	0	0	0		0	-			
	0	U	0		0	W pile on S pier has wide vertical ck.			
Pier Shaft/Pile		2.50		5	5	Measured pier 1.			
Greatest He		2.50		-	_	inicasarea pier 1.			
Bracing/Struts	s/Sneatning			6	6				
Nose Plate				X	X				
Paint/Coating				Х	Х				
(Colour Des	scription :)								
(Colour Cod	de:)								

			Subst	tructure			
Bridge Component		Last	Now	Explanation of Condition			
Pier Stability		7	7				
Scour		7	N	Ice covered.			
Debris (Y/N)	bris (Y/N) No						
Substructure General Rating			5				
		5	Structu	re Usage			
		Last	Now	Explanation of Condition			
Channel							
(U/S Direction : W)							
(D/S Direction : E)							
Alignment			7				
Bank Stability			N	Snow covered.			
HWM (m below Top of Curb)				HWM not visible.			
Drift (Y/N)	ift (Y/N) No						
Slope Protection		5	5	South bank only, rest natural small rock.			
(Type: RIP RAP; NATURAL)							
Guidebank/Spurs			Х				
Adequacy of Opening		7	7				
(Fish Compensation Measure 1	: NONE)						
(Fish Compensation Measure 2	: NONE)						
Channel General Rating		5	5				

Alberta Transportation

	-			Maintenance Recommendations	dations					
Inspector Recommendations	Year		Inspector Comments	ents	Department Comments	ments		Target Year	Est. Cost	Cat#
REPAIR/REPLACE BRIDGE RAIL										
SEAL CURBS	2013		atch spalls and	Patch spalls and popouts, 0.3 m(3) OH-V.						
PATCH DECK										
OVERLAY DECK										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
SHOTCRETE REPAIRS										
CORE TIMBER CAPS/CORBELS	2013		Core caps & piles.	, 2						
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROSION	NO									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL STRUTS										
OTHER ACTION	2013		Seal cracks in chip seal coat.	ip seal coat.						
OTHER ACTION	2013		Patch girder legs or	or monitor.						
OTHER ACTION	2013		Consider reinforce girders.	Consider reinforced concrete overlay to protect girders.	#-					
OTHER ACTION	2013		ssess rehab/rep pairs.	Assess rehab/repalce options before major repairs.						
OTHER ACTION		_								
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)		50.0/44.4	Sufficie (%)	Sufficiency Rating (Last/Now) (%)	61.9/60.3	Est. Repl. Yr	2025	Maint. Reqd. (Y/N)		Yes
Special Continue regular inspections for "3" rated girders; r Comments for time. No action required for minor hslp erosion rated "4".	spections for '	"3" rate	ed girders; no fu on rated "4".	Continue regular inspections for "3" rated girders; no further action required at this time. No action required for minor hslp erosion rated "4".	Department Comments					
Maintenance Reviewed By					Date		3	Estimated Total	0	
Proposed Long-Term Strategy	2008.01.30 / with normal i	ACP to mainter	o be removed, c nance.	2008.01.30 ACP to be removed, connectors to be repaired as necessary and max. 50mm ACP to be placed. Bridge should be good until 2025 with normal maintenance.	necessary and max.	50mm ACP to b	e placed. Bri	idge should be	good until 20	725
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Jason Saly			Previous	Previous Assistant's Name					
Next Inspection Date	27-Aug-2014	4		Previous	Previous Inspection Date	08-Mar-2011	1			
Inspection Cycle (Default) (months)	21									
Comment										

					Maintenance R	ecommend	lations					
Inspector Recomm	mendations		Year	Inspecto	or Comments		Department C	comments		Target Year	Est. Cost	Cat #
REPAIR/REPLAC	E BRIDGE RAIL											
SEAL CURBS			2013	Patch sp	palls and popouts, 0.3 m(3)	OH-V.	defer until nex	t rehab				
PATCH DECK					· ·							
OVERLAY DECK												
STRAIGHTEN/RE	PLACE MEMBERS	3										
WASHING												
SHOTCRETE RE	PAIRS											
CORE TIMBER C	APS/CORBELS		2013	Core ca	ps & piles.		placed on 201	3 coring list		2013		
REPAIR/REPLAC	E TIMBER CAPS											
REPAIR ABUTME	NT SCOUR/EROS	ION										
PLACE ADDITION	NAL RIP RAP											
REMOVE DRIFT	ACCUMULATION											
INSTALL STRUTS	3											
OTHER ACTION			2013	Seal cra	cks in chip seal coat.		to operations					
OTHER ACTION			2013	Patch gi	rder legs or monitor.		when next on	site				
OTHER ACTION				Conside protect of	r reinforced concrete overl girders.	ay to						
OTHER ACTION			2013	Assess rehab/repalce options before major repairs.			consider for fu	consider for future assessment				
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)			Sufficiency Rating (Last/Now) (%)			t/Now)	61.9/60.3	Est. Repl. Yr	Est. Repl. Yr 2025 Maint. Reqd. (Y/N) Yes			Yes
Special Comments for Next Inspection	omments for time.					Department Comments	Tentatively scheduled for replacement in 2023					
Maintenance Reviewed By John			lmlah				Date	24-Apr-2013 Estimated Total 0				
Proposed Long-To	erm Strategy			P to be renal mainte	emoved, connectors to be inance.	repaired as	necessary and	max. 50mm ACP to	be placed	d. Bridge shoul	d be good u	ntil
On 3-Year Progra	m (Y/N)											
Proposed Action												

Previous Inspector's Name	Jason Saly	Previous Assistant's Name	
Next Inspection Date	27-Aug-2014	Previous Inspection Date	08-Mar-2011
Inspection Cycle (Default) (months)	21		
Comment			