Bridge Inspection & Maintenance System (Web 2005)

						В	ridge Ir	spection							
Bridge File Number 71719 -1 Bridge									Form Type PCS						
Year Built/Year		1960/196						Lot No.			1				
Supstr						Inspector Nam					Garry Roberts				
Bridge or Town	Name	CZAR						Inspecto			BR CLS A				
Located Over		RIBSTON	NE CREE	K, 5.2, V	VATERC	RCRS-ST Assistant Na									
Located On		884:18 C	1 9.378					Assistan	t Class						
Water Body Cl.	/Year							Inspectio	n Date		22-Feb-201	3			
Navigabil. Cl./Y	ear							Data Ent			Marcia Chav				
Legal Land Loc	ation	NE SEC	35 TWP	38 RGE	8 W4M						19-Mar-201				
Longitude, Latit	ude	-111:02:2	25, 52:18	:41				Data Entry Date Reviewer Name			John O'Brie	-			
Road Authority		Alberta T	ransporta	ation (AIT	Г)										
Contract Main.	Area	CMA22						Review Date Dept. Reviewer Name			28-Feb-2013 Chris Black				
Clear Roadway	/Skew	9.1 / 15 d	eg. (RHF)					Dept. Review Date			28-Mar-2013				
AADT/Year		220 / 201						Follow-U		ale	20-1VIAI-201				
Road Classifica	ition	RCU-210	-110					1-0110-0	рву						
Detour Length	(km)	4						1							
Allowable Load	(t): Sin	gle CS1 GIRI			Semi		62 49 RDER		Trair		3 62 RDER		> On Critic		
Design Loading: HS20			0										> Primary	Span	
						Ро	sting Ir	formatio	n						
Required Load Posting (t)			Single					Semi			Truck Train				
Posted Loading (t)			Single					Sem	i			Truck Train			
Posted:	Lane	NB		At Junc	tion (Y/N))	No	In Ad	dvance	(Y/N)	No	At B	ridge (Y/N)	No	
Posted:	Lane					No			(Y/N)	No	At B	ridge (Y/N)	No		
Remarks	Not re	equired													
Hazard Marker At Bridge (Y/N) Yes															
Remarks Missing at SE and lea				nd leanin	aр	ost & m	issina 1 b	olt at N	E.						
Other Sign Types					51		<u> </u>								
					Uti	lities (L	ocated a	t)							
Utility Attachme	ents						`		<i>,</i>						
Telephone	West	ditch						Gas							
Power	3 wire	- 20m E d	of C/L.	/L.				Municipa	l						
Others									(Y/N)	No					
Remarks															
							App <u>roa</u>	ch Road							
					La		Now	Explana	tion of	Condi	ition				
Horizontal Aligr	ment					6	6	Horizontal curve 300m N.							
Vertical Alignme						7	7	Farm approaches 50m N, both sides.							
Roadway Width	n (m)		9.500												
Approach Bum	. ,					6	5	Minor se	Minor settlement, both approaches.						
Guardrail (Y/N)			Yes												
Guardrail						5	5	Creased flexbeam, still functioning. Insufficient length and posts NE & SW.							
Length (m)			12.000				-	nisunicient length and posts NE & SW.							
Current Stand	dard (Y/I	N)	No					Not their	hacm						
Termination 1		-)			N			Not thrie beam.							
Drainage			21100			N	6								
						_	-								

						Supers	structure
Bridge Com	ponent						Explanation of Condition
(Primary Spa	an : PG, 3 Spa	ns, Leng	ths(r	n): 6.1-8.5-6.′			
Special Fea	tures						
Special Feat	ure					Х	
(Type :)							
Special Feat	ure					Х	
(Type :)							
1	face/Deck Top	Detail Ra	atinas	3			
U	N (%)	1 (%)		2 (%)	3 (%)		
Last	30	0		0		0	
Now	5.0	0.0		0.0	0	.0	
Wearing Sur				1	7	5	Long. cracks in ACP.
	ype : ACP)						100mm wide cracks along girder lines with potential to ravel, S2G6 &
	s(mm) : 50)						- S3G6,7.
	nection Problem	n No)				
Deck Top					N	N	Paved over.
Deck Rideat	oility				7	6	
Deck Joints					N	N	Paved over.
Bump (Y/N	1)	No)			_	
Deck Draina	ge				N	7	
Drains Clogged (Y/N) No							
Curbs/Median					N	6	40% snow cover at curb tops.
(Curb Type : Standard)							
Scaling (Percent Area) 1							
Bridge Rail					5	5	Single layer with splice between posts. Flexbeam creased.
		FEEL FLE	EX B	EAM)			
Bridge Rail F					N	6	
v	ST STEEL;PC	OST STEE	EL)				Painted posts are rusting & pitting.
Bridge Rail/Posts Coating					5	4	
	LVANIZED)						
Sidewalk					X	X	
Girder Detail	Ratings					1	
	N (count)	1 (count)	2 (count)	3 (cou	int)	
Last	0	0		0			1
Now	0	0		0		2]
Girders					4	3	
	te Inspection E	Date 22	-Feb	-2013			1
Cracking (· · · · · · · · · · · · · · · · · · ·	Ye					18 Girders with wide cracks or spalls in AZ.
	Percent Area)	30					Girders in S3 have legs patched, but patches are cracked & failing. S1G7 has spall in AZ extending above top 1/2 bar & hairline shear
Lift or Conne Grouted (Y/N	ector Pocket	Ye					crack; rating not reduced further as shear crack is hairline. S2G10 has spall in AZ extending above top 1.2 of bar.
(Number Of					1		1
<u> </u>	nent Problem	s					
Vertical (Y		No)				
Horizontal	,	No					1
	ure General R				4	3	"PG" units - +1 rating.
Superstruct		anng			-		

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

					Subst	ructure					
Bridge Com	ponent			Last	Now	Explanation of Condition					
Abutments											
(Extended	Backwall Piles	s (Y/N) : N)				Some bearing piles are anchored.					
(Extended	Backwall Piles	s Spacing(mm	ı):)			No tags.					
	er of Caps/Co	,				Top caps at both abuts are salvage 150x356.					
Bearing Seat	s/Caps/Corbe					Main cap at A1 is 305x356.					
	N (count)	1 (count)	2 (count)	3 (cou	unt)	-					
Last	0	0	0		0	-					
Now	0	0	0		0	-					
	s/Caps/Corbe			4	4	Caps cored 22Feb2013.					
	EATED TIMB	ER)				Isolated beginning rot in A1, E top cap, and in A2, W top cap.					
(Depth(mm) : 305)					-					
(Width(mm	, ,										
Backwalls/Br				5	6	-					
Greatest H	eight (m)	1.80									
Wingwalls				6	6						
(Total Numbe	er of Bearing F	Piles · 8·8)									
Piles Detail R											
1 noo Dotan 1	N (count)	1 (count)	2 (count)	3 (cou	unt)	-					
Last	0	0	0	`	0						
Now	0	0	0		0						
Piles				6	4	Piles cored 22Feb2013.					
				·	Isolated beginning rot in A1P2,3.						
Paint/Coating					Х						
Abutment Stability					6						
Scour/Erosio	n			6	6						
Piers/Bents											
	R-COLUMN)					Caps - extend 1.5 m past last pile both piers both sides.					
	er of Caps/Co					– Salvaged material on top of caps. (2 - 150 x 380 TT).					
Bearing Seat	s/Caps/Corbe					-					
	N (count)	1 (count)	2 (count)	3 (cou		-					
Last	0	0	0		0	-					
Now	0	0	0		0	Caps cored 22Feb2013.					
	s/Caps/Corbe			6	4	Isolated beginning rot in P1, W main cap, and in top caps. P2 has isolated beginning rot in both top caps.					
		ER)									
(Depth(mm	· · · · · · · · · · · · · · · · · · ·					-					
(Width(mm											
	er of Bearing F	Piles : 8:8)				-					
Piles Detail R		4 (0 (0.1		-					
Leet	N (count)	1 (count)	2 (count)	3 (cou		-					
Last	0	0	0	_	0	-					
	-	0	0	5	0	-					
Now 0 0 0 Pier Shaft/Piles 4.50					4	Piles cored 22Feb2013. Isolated beginning rot at bottom core of P1, pile 1.					
Greatest H		4.50			0						
Bracing/Strut	s/Sneathing			5	6						
Nose Plate				X	X						
Paint/Coating]			X	Х						
(Colour De						1					
(Colour Co	· · · · · · · · · · · · · · · · · · ·					1					

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			ructure					
Bridge Component		Last	Now	Explanation of Condition				
Pier Stability		5	5					
Scour		N	N	Snow/ice.				
Debris (Y/N)	Yes			Old piles in channel				
Substructure General Rating		4	4					
		S	Structu	re Usage				
		Last		Explanation of Condition				
Channel								
(U/S Direction : W)			30 deg curve located 20 m West.					
(D/S Direction : E)								
Alignment		5	5					
Bank Stability			5	Some vertical banks at outside of curve to East.				
HWM (m below Top of Curb)				No visible HWM				
Drift (Y/N)	No							
Slope Protection		5	5					
(Type : NATURAL; NATURAL	.)							
Guidebank/Spurs		X	X					
Adequacy of Opening		7	7					
(Fish Compensation Measure 1	: NONE)							
(Fish Compensation Measure 2	NONE)							
Channel General Rating		5	5					

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		Maintenance Recommendations	mmendations				
Inspector Recommendations	Year	Inspector Comments	Department Comments	ments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION	NO						
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Repair NE HM and install new HM at SE	ші				
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	w) 44.4/38.9	.9 Sufficiency Rating (Last/Now) (%)	w) 58.8/56.3	Est. Repl. Yr 2018	Maint. Reqd. (Y/N)		Yes
Special Consider 1/2 BIM cy Comments for Consider bridge rep Next Inspection Roberts.	cle to monitor g acement over n	Consider 1/2 BIM cycle to monitor girders rated 3. Consider bridge replacement over major repairs due to overall condition - G. Roberts.	Department Comments				
Maintenance Reviewed By			Date		Estimated Total	0	
Proposed Long-Term Strategy	Recast S1G4 le	Recast S1G4 leg (Rated 2) and S1G8. Bridge should be ok until 2020.CS	ok until 2020.CS				
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Jason Saly	<u> </u>	Previous Assistant's Name				
Next Inspection Date	22-May-2016	<u> </u>	Previous Inspection Date	28-Nov-2010			
Inspection Cycle (Default) (months)	39						
Comment							

				Maintenance Re	commend	lations						
Inspector Recommendations		Year	Inspecto	or Comments		Department (Commei	nts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL												
SEAL CURBS												
PATCH DECK												
OVERLAY DECK												
STRAIGHTEN/REPLACE MEMBERS	6											
WASHING												
SHOTCRETE REPAIRS												
CORE TIMBER CAPS/CORBELS						Coring Comp	leted 20)13		2013		
REPAIR/REPLACE TIMBER CAPS												
REPAIR ABUTMENT SCOUR/EROS	ION											
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL STRUTS												
OTHER ACTION		2013	8 Repair NE HM and install new HM at 3			E. Forward to Operatons						
OTHER ACTION												_
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/N (%)	low)) 44.4/38.9 Sufficiency Rating (Last/No. (%)			/Now)	58.8/56.3	Es	t. Repl. Yr	2018	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	cycle to r placeme	monitor (ent over i	girders ra major rep	ted 3. airs due to overall condition	ı - G.	Department Comments	On De	partment Rev	iew Plan	@ 21 mo. cycle	e. Chris Bla	ack
Maintenance Reviewed By	Chris E	Black				Date	29-Ap	r-2013		Estimated Tota	0	
Proposed Long-Term Strategy	Recast	S1G4 le	eg (Ratec	I 2) and S1G8. Bridge shoul	ld be ok ur	til 2020.CS						
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Jason	Saly			Previous	Assistant's Na	me					
Next Inspection Date	22-May	/-2016			Drovious	evious Inspection Date 28-Nov-2010						
		, 2010			Flevious	inspection Dat	e	20-1100-2010				

Comment