							- P	ridae h	nonest	ion							
Bridge File Nur	nher	7380	99 -1	Bridge			Bridge Inspection Form Type						PT TT				
Year Built/Year		1930/1930							Lot No				1				
Supstr		1000/1000						Inspector Name			Garry Roberts						
Bridge or Town	Name	COCHRANE							Inspector Class			BR CLS A					
Located Over		WAI	PARC	DUS CRI RS-ST	EEK, 2.1	3.49.4,			Assistant Name								
Located On				17.039					Assist	Assistant Class							
Water Body Cl.	/Year	+0.1	- 01	17.005					Inspe	ction I	Date		26-Mar-20	13			
Navigabil. Cl./Y									Data	Entry	Ву		Lauren Ko	rte			
Legal Land Loc		NW	SEC	6 TWP 2	7 RGE 6	3 W5M			Data	Entry	Date		11-Apr-201	13			
Longitude, Lati				0, 51:16:		5 11011			Revie	wer N	lame		Garry Rob	erts			
Road Authority				ansporta		т)			Revie	w Dat	te		10-Apr-201	13			
Contract Main.		CMA		unoporte		• /			Dept.	Revie	wer N	ame	Tim Davies	5			
Clear Roadway		5.5 /							Dept.	Revie	w Dat	е	06-May-20	13			
AADT/Year			/ 2012	2 (A)					Follov	<i>w</i> -Up E	Зу						
Road Classifica	ation	-	, 2012 J-209-	. ,													
Detour Length		20	_00														
Allowable Load	<u> </u>	gle	CS1	18 NGER		Semi		32 32 RINGE	R		Train		3 46 RINGER		> On Critical Spans >Critical Member		
Design Loading	ı.		HS15	-			101	RINGE	1			101	KINGLIN		> Primary		
							Po	sting l	nforma	ation					minaly	Opun	
Required Load	Postino	ı (t)			Single			19		Semi			33	Truc	k Train	47	
Posted Loading		(-)			Single			19.0		Semi			33.0	_	k Train	47.0	
Posted:	Lane	V	VB		At Junc	tion (Y/		No		-	.dvance (Y/N)		Yes		ridge (Y/N)	Yes	
Posted:	Lane		B		At Junc	· · ·				In Advance (Y/N)		Yes		ridge (Y/N)	Yes		
Remarks							• •/		1.			,,					
Hazard Marker At Bridge (Y/N)YesRemarksOther Sign TypesStop if oncoming, nar					g, narro		dge, no	-	-	km/hr.							
Utility Attachme	ents						01	nuco (_000110	u utj							
Telephone	South	R/W							Gas								
Power	Coun		•						Municipal								
Others	WSC	aaua	e SE.							em (Y	/N) N	lo					
Remarks		<u></u> 9									, ,	-					
								Approa	ich <u>Roa</u>	ad							
						L	.ast	Now		Explanation of Condition							
Horizontal Aligr	nment						3	3	Sharp curves and hills at both ends. Posted @ 30 km/hr.						hr.		
Vertical Alignm	ent						3	3									
									Brida	Bridge is orientated North - South.							
Roadway Width	ר (m)			8.700					Approaches rough- ok for speed traveled.								
Approach Bump						5	5										
Guardrail (Y/N) Yes								Missir	ng 3 s	plice b	olts a	at NW.					
Guardrail						4	4	1	-	-		nd NE.					
Length (m) 8.000										•	o∟ a						
Current Standard (Y/N) No								Not th	nrie be	eam.							
Termination 7				TURNE	D DOWI	N											
Drainage							5	5									
Approach Roa	d Gene	eral R	ating				3	3									

Alberta Transportation

					Supers	tructure
Bridge Comp	onent			Last	Now	Explanation of Condition
(Primary Spar	n : PT, 4 Span	s, Lengths(n	n): 8.5-15.2-15	5.2-6.1,	A-Iden	t Number: A0155-03;A0155-04)
Special Featu	ires					
Special Featu	re				X	
(Type :)						
Special Featu	re				X	
(Type :)						
Wearing Surfa	ace/Deck Top	Detail Ratings	5			
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0		0	
Now	20.0	0.0	0.0	(0.0	Gravel/ice along West side.
Wearing Surfa	ace/Deck Top			6	6	
(Material Ty	pe : UNTREA	TED TIMBER	2)			
(Plank Thick	(ness(mm) : 7	5)				
(Plank Widtl	n(mm) : 305)					
Deck Rideabil	ity			6	6	
Deck Joints	Deck Joints					
Temperatur	e (deg. C)					
(Expansion	Type :)					
(Fixed Type	:)					
Gap Size (m	nm)	Gap L	ocation			
						-
Curbs/Wheel	Guards			4	4	Rot in wheelguard planks @ West curb @ P2. Split and damaged
(Curb Type	: Standard)					block at P1 West side.
(Type : TRE	ATED TIMBE	R)				
(Thickness(mm) : 100)					
(Width(mm)	: 300)					
Bridge Rail				6	6	Minor lattice damage.
	VANIZED ST	EEL FLEX B	EAM)			Double layer flexbeam.
Bridge Rail Po	osts/Blocking			4	4	Timber, blocking & steel end posts.
(Type : TRE	ATED TIMBE	R;TREATED	TIMBER)			Steel posts cracked over pier 1 and 3 have timber posts nearby.
Bridge Rail/Po	osts Coating			4	4	Minor corrosion @ lattice.
(Type : PAII	NT)					
Sidewalk				X	Х	

					Supers	tructure
Bridge Comp	onent			Last	Now	Explanation of Condition
(Primary Spar	n : PT, 4 Spar	ns, Lengths(m): 8.5-15.2-1	5.2-6.1,	A-Ider	nt Number: A0155-03;A0155-04)
Wide Load Da	amage (Y/N)	No				
Top Chord				7	7	
Batter Posts					7	
Diagonals				7	7	Span 2 inside vertical gusset at L0E perforated. Corrosion between plates causing distortion and bulging at several
Verticals				7	7	connections.
Connections				3	3	Missing 2 bolts at Sp.2 L4W - Lower floor beam to gusset and bottom
Floor Beams				5	5	lateral.
Bottom Chord				5	5	
Lateral Bracin	gs			5	5	
(No. of Stringe	ers : 36;36)					9/bay x 8= 72
Stringer Detai	,,					
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last						Heavy correction and section loss at top flanges
Now						Heavy corrosion and section loss at top flanges.
Stringers				4	4	
(Type : STE	EL)					
(Width(mm)	: 230)					
(Depth(mm)	: 110)					
(Spacing(mi	m) : 730)					
Paint Conditio	n			3	3	Span 2 at L0E, inside vertical plate is perforated.
(Colour Des	cription : SIL	VER)				Silver.
`	le : SILVER)					(Corrosion @ edges top flanges of floor system. Full thickness of top flange is 0.306"- past UT indicates thickness is 0.184" resulting in
	equired (Y/N)	No				0.120" section loss @ top flange of stringer).
Bearings				5	5	Sliding plates at P2.
Temperature	e (deg. C)	7			0	
· · ·	Type : SLIDI					-
	: PINNED BE	· · · · · · · · · · · · · · · · · · ·				-
Functioning		Yes				
Sub Deck/Dec				5	5	
	pe : TREATE			0	U	-
· · · · ·	(ness(mm) : 1					-
	n(mm) : 305)	100)				-
Defects (Pe		2				-
Span Alignm						
Vertical (Y/N		s No				
Horizontal (No				-
				3	3	
Superstructu	e General R	anng		3	3	
					Supers	tructure
Bridge Comp	onent			Last		Explanation of Condition
(Secondary S	pan : TT)					
Special Featu	ires					
Special Featu	re				X	
(Type :)						
Special Featu	re				X	
(Type :)						
Wearing Surfa	ace/Deck Top	Detail Rating	S			
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0		0	

Alberta Transportation

	Superstructure							
Bridge Component			Last	Now	Explanation of Condition			
(Secondary Span : TT)								
Wearing Surface/Deck Top			5	5	Minor wear.			
(Material Type : UNTREATED	TIMBER)						
(Plank Thickness(mm) : 75)								
(Plank Width(mm) : 305)								
Deck Rideability			5	5				
Wheel Guards			3	5	Minor grader scrapes.			
(Curb Type : Standard)								
(Type : TREATED TIMBER)								
(Thickness(mm) : 100)								
(Width(mm) : 300)								
Bridge Rail			7	7	Double Layer.			
(Type : GALVANIZED STEEL	FLEX B	EAM)						
Bridge Rail Posts			7	7				
(Type : TREATED TIMBER;TF	REATED							
Bridge Rail/Posts Coating			6	6				
(Type : PAINT)			0	0				
(No. of Stringers : 12;9)					Sp.1 - S9 split from bolt but is curb stringer.			
Stringer Detail Ratings					Sp.4-S4 is cracked at North end.			
	ount)	2 (count)	3 (cou	unt)				
Last 0	0	0		0				
Now 0	0	0		1	Sp. 1 South has 12 stringers at 150x400 at 650mm spacing.			
	0	0			-			
Stringers			5	3	Sp.4 North has stringers: 195 x 490 at 650mm spacing. Sp.4 - S6 is sistered.			
(Type : TREATED TIMBER)					Top corner missing from Sp.1 - S9.			
(Width(mm) : 150)					Curb stringers overhang caps slightly-no problem.			
(Depth(mm) : 400)					-			
(Spacing(mm) : 650)								
Sub Deck/Deck Underside			6	5				
(Material Type : TREATED TIM	IBER)				-			
(Plank Thickness(mm) : 100)					-			
(Plank Width(mm) : 305)	1				-			
Defects (Percent Area)	0							
Span Alignment Problems	1							
Vertical (Y/N)	No				-			
Horizontal (Y/N)	No			_				
Superstructure General Rating	I		5	3				
				Subst	ructure			
Bridge Component			Last	Now	Explanation of Condition			
Abutments	_							
(Extended Backwall Piles (Y/N): Y)							
(Extended Backwall Piles Space		: 1900)						
(Total Number of Caps/Corbels :								
Bearing Seats/Caps/Corbels Det		IS						
	ount)	2 (count)	3 (cou	unt)				
Last 0	0	0		0	T.T stringers appear to be settling into caps at both abuts.			
Now 0	0	0		0				
Bearing Seats/Caps/Corbels			6	5				
(Type : TREATED TIMBER)				-1	1			
(Depth(mm) : 305)								
					1			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

					Subst	ructure						
Bridge Component					Now	Explanation of Condition						
Backwalls/B				Last	4	Not low enough at both abutments						
Greatest H		2.00				Breastwalls added at both abuts. No active loss of fill.						
Wingwalls					6							
(Total Numb	er of Bearing F	Piles · 4:4)										
Piles Detail I		103.4.4)				-						
Thes Detail I	N (count)	1 (count)	2 (count)	3 (cou	unt)	-						
Last	0	0	0	`	0							
Now	0	0	0	_	0							
Piles	0	0	0	5	5							
Paint/Coatin	0			X	X							
raini/Cualin	9				^							
Abutment St	tability			6	6							
Scour/Erosic	on			6	4	Minor erosion at SE.						
Piers/Bents												
(Type : PIE	ER-SOLID)											
(Total Numb	er of Caps/Co	rbels : 2:1:2)				Minor delam under bearing at East end of P1.						
Bearing Sea	ts/Caps/Corbe	ls Detail Ratir	igs			305 x 305mm TT caps on pier 1 plus shim under each stringer.						
	N (count)	1 (count)	2 (count)	3 (cou	unt)	Suspect rot in P3 cap.						
Last	0	0	0		0							
Now	0	0	0		0							
Bearing Sea	Bearing Seats/Caps/Corbels				4							
	ONCRETE)											
(Depth(mn												
(Width(mm												
	er of Bearing F	Piles : 0:0:0)				Heavy scaling @ bottom of center pier & East end of pier 1.						
Piles Detail		,										
	N (count)	1 (count)	2 (count)	3 (cou	unt)							
Last	0	0	0		0	- Massive concrete.						
Now	0	0	0		0							
Pier Shaft/Pi	-			4	4							
Greatest H		5.30										
	its/Sheathing			X	Х							
, cau					.`							
Nose Plate				X	X							
Paint/Coatin	g			X	X							
	escription :)					1						
(Colour Co	• • •					1						
Pier Stability				7	7							
Scour				5	5							
Debris (Y/N))	No										
Substructu	re General Ra	ting		4	4							
					Structu Now	re Usage Explanation of Condition						
Channel				Lasi	NOW							
(U/S Directio	۲ ₩					Meandering stream (water to deck 6.6m SB to deck 8.2m).						
(D/S Directio	· · · · · · · · · · · · · · · · · · ·					Incandening Stream (watch to deck 0.011 OD to deck 0.211).						
	лт. ь)			5	5	90 degree bends up and down stream						
Alignment					5	อง นอยายอ มอกนร นุม ลกน นับพก รถอสกก						

Structure Usage										
		Last	Now	Explanation of Condition						
Bank Stability			6							
HWM (m below Top of Curb) 2.0				HWM not visible (Date of measurement unknown) Minor drift in channel and at P2.						
Drift (Y/N)	Yes									
Slope Protection			5	Natural rockwall at South.						
(Type : NATURAL)										
Guidebank/Spurs			X							
Adequacy of Opening			7							
(Fish Compensation Measure 1	: NONE)									
(Fish Compensation Measure 2	: NONE)									
Channel General Rating		5	5							

	<u> </u>		Maintenance Recor	mmenda	ations				ļ	
Inspector Recommendations	Year	Inspecto	r Comments		Department C	omments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL										
RETROFIT BRIDGE RAIL										
PATCH DECK										
REPLACE STRIP DECK										
REPLACE SUB DECK										
RESET/ PAINT BEARINGS										
REPAINT SUPERSTRUCTURE	2015	Floor sys	stem.							
STRAIGHTEN/REPLACE MEMBERS	2015	Replace	clips and hardware at floor bear	ms.						
WASHING										
CORE TIMBER CAPS/CORBELS										
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROSION										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION	2015	2- 2900x	300x100 T.T. wheel guard plan	ks.						
OTHER ACTION	2015	Lower ba	ackwall/ breastwall sheathing.							
OTHER ACTION	2015	Patch pie	ers next major rehab.							
OTHER ACTION										
OTHER ACTION	2015	Assess gretro fit.	jusset plate in span 2 at L0S, de	esign						
OTHER ACTION	2013	Install po at junctio	sted loading signs in advance E	EB and						
OTHER ACTION	2013	Repair a	nd replace cracked T.T stringer.	-						
OTHER ACTION	2014	Assess f	or repair vs. replacement.							
OTHER ACTION	2015	Install 5	bolts Sp.2 L4W.							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now (%)) 38.9/38.	9	Sufficiency Rating (Last/Now (%)	v) 2	8.5/28.8	Est. Repl. Yr	2016	Maint. Red	ąd. (Υ/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	stimated Total	0	

Alberta Transportation	Bridge Inspection & Maintenance System (Web	2005) 738	99 -1 Bridge
Proposed Long-Term Strategy			
On 3-Year Program (Y/N)			
Proposed Action			
Previous Inspector's Name	Garry Roberts	Previous Assistant's Name	
Next Inspection Date	26-Dec-2014	Previous Inspection Date	14-Jun-2011
Inspection Cycle (Default) (months)	21		
Comment			