								Bridge	Inspe	ection							
Bridge File Num	ber	131	66 -1	Bridge						Form Type			TH PSR	TH PSR			
Year Built/Year			35/193							No.			2	2			
Supstr								Ins	pector N	lame		Kris Bosters	Kris Bosters				
Bridge or Town I	Name	DA	PP							Inspector Class		BR CLS A					
Located Over		PEI	MBINA	A RIVER	8.11.8	4, WA	ΓERC	RS-ST		Assistant Name			Dit CLO /				
Located On		661	:06 C	1 10.686						sistant C							
Water Body CI./	Year									pection l			24-Jun-2010)			
Navigabil. Cl./Ye	ar									ta Entry			Theresa Lac				
Legal Land Loca	ition	NE	SEC -	4 TWP 6	2 RGE 2	27 W4	М			ta Entry			19-Jul-2010	dota			
Longitude, Latitu	ıde	-11	3:59:1	5, 54:20	29					viewer N			Arnold Asse	nhaim	ı Ar		
Road Authority		Alb	erta T	ransporta	ation (Al	T)				view Dat			13-Jul-2010				
Contract Main. A	rea	СМ	A10						-			Vlame	Brent Herric				
Clear Roadway/	Skew	7.3	/							pt. Revie			22-Jul-2010	Λ			
AADT/Year		360	/ 200	9 (A)						llow-Up I		110	22-3ui-2010				
Road Classificat	ion	RC	U-209)-110					7 - 01	ilow-op i	Эу						
Detour Length (k	m)	16															
Allowable Load (t): Sir	ngle				Sem	i				Train				> On Critic	al Spa	ns
			-												>Critical M	ember	
Design Loading:			HS2	0											> Primary	Span	
Required Vert. C	loarar	000 5	Postin	g (m)			P	osting	intori	mation							
Posted Vertical (9 (111)	Yes												
	EB		` ′	idge (m)		In Adv	/anco	/V/NI)	No	Lane	WB		On Bridge (m)	5.7	In Advance	(V/NI)	Yes
				5.97m.	5.1	III Auv	ance	(1/11)	INO	Lane	VVD		on bridge (III)	3.1	III Advance	(1/11)	163
			, ۷۷ .	J.97111.	Cinalo					Semi				Truol	. Troin		
Required Load F) (t)			Single					Semi		_	Truck Train				
Posted Loading						Single At Junction (Y/N) No				In Advance (Y/N)			Truck Train				
Posted:	Lane		EB				,								At Bridge (Y/N) No At Bridge (Y/N) No		
Posted:	Lane		WB		At June	ction (Y/N)	No		In Adva	ance ((Y/N)	No	At Br	iage (Y/N)	No	
Remarks	Not re			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \													
Hazard Marker A	At Brid	ge (Y/N)	Yes													
Remarks				All haza	ira mark	ters to	o iow.										
Other Sign Type	S						117	ilition	(1.000	ited at)							
Litility Attachmen	oto						U	ilities	LOCa	itea at)							
Utility Attachmer		:4			Caudh	-: -! -			0-								
Telephone				om chord	South	side.			Ga								
Power	2 wire	SINC	orth f/\	W.						inicipal	/N.I.\	NI-					
Others									Pro	oblem (Y	/N)	No					
Remarks								Appro	aab E	Road							
							Last			planatio	n of (Cond	ition				
Horizontal Alignr	nent						9	9		₋		. J.IU					
Vertical Alignme							9	7									
vertical / digrille								'									
Roadway Width	(m)			8.800					AC	P is crac	cked a	and ra	avelling at app	roach	esphoto		
Approach Bump							7	4									
Guardrail (Y/N)				Yes					1 s	ection a	nd 2 p	osts	bowed out at l	NW dı	ue to collision,	still	
Guardrail							4	4		ctional. rail is le	anina	pho	ito				
Length (m)				49.400							9						
Current Standa	ard (Y/	N)		No													
Termination Ty	/pe			Turned	Down												
Drainage							3	7									

						ch Road				
					Last		Explanation of Condition			
Approach Ro	oad General I	Rating			7	7				
		5								
_						<u> </u>	structure			
Bridge Comp							Explanation of Condition			
		ns, Len	gths(n	n): 16.8-76.2-1	8.3, A	Ident I	Number:)			
Special Feat						I				
Special Featu	ire					X				
(Type:)						I				
Special Featu	ire					X				
(Type:)										
Wearing Surfa			Ratings							
-	N (%)	1 (%)		2 (%)	3 (%)					
Last						1				
Now	0.0	0.	.0	0.0	1	.0				
Wearing Surfa	ace/Deck Top)			3	3	Numerous transverse cracks (varies narrow to wide) Spalls on EBL up to 400 x 200 x 50 deep.			
,	pe : CONCR I						Concrete delaminated and 200mm dia. spall along finger plates.			
	kness(mm): 5	50)								
(Plank Widt	h(mm) :)									
Deck Rideabi	lity				6	6				
Deck Joints					5	5	Finger plate at pier 1 leaks, no drain trough underneath. Heavy			
Temperatur	e (deg. C)	2	20				staining on pier cap. P2 AIFB missing.			
(Expansion	Type : FINGE	ER PLA	TES)							
(Fixed Type	: ASPHALTI	C FIBR	E BOA	ARD)						
Gap Size (n	nm)		Gap L	ocation						
10			West	pier - P1						
25			East p	oier - P2						
Curbs/Wheel	Guards				4	5	Spalls on North & South curb faces from previous floor beam. Deck			
(Curb Type	: Standard)						repair 14 locations.			
(Type : CO	NCRETE)									
(Curb Heigh	nt(mm) :)									
(Width(mm)	:)									
Bridge Rail					4	4	Triple flexbeam. Incorrect lap. Missing 3 connection bolts at laps on			
(Type : GAI	LVANIZED S	TEEL FI	LEX BI	EAM)			S. rail. Timber blocking between steel and flexbeam. Weatheered timber blocking. 60 open holes at steel posts.			
Bridge Rail Po	osts/Blocking				5	5	Painted btl posts.			
(Type : TRE	ATED TIMBI	ER;TRE	ATED	TIMBER)						
Bridge Rail/Po	osts Coating				7	7				
(Type : GAI	_VANIZED)									
Sidewalk					Х	Х				

				,	Supers	structure				
Bridge Com	ponent			Last		Explanation of Condition				
(Primary Spa	an : TH, 3 Spa i	ns, Lengths(n	n): 16.8-76.2-1	8.3, A	-Ident I	Number:)				
Wide Load D	amage (Y/N)	Yes				Top bracing has minor bends & bottom bracing has spread legs due				
High Load Da	High Load Damage (Y/N) No					to corrosion.				
Top Chord				4	4	U9L9S 2mm crack on inside near L9S, under rivet head. U11U11				
Batter Posts				7	7	has 2 minor notches and shim plate missing behind gusset at all 4 corners. Missing 1 bolt on U1NU1S.				
Sway Bracing	gs			5	5	Missing 15 bolts at U1S at L0U1S. Missing hanger bolt bay 12.				
Diagonals				6	6	,				
Verticals				4	4	O per boy				
Portals				4	4	9 per bay. Most members have 5mm deep nicks from wide loads. Worst				
Connections				4	4	member is U1L1S and U2LZ5 which are also bent.				
Floor Beams	•			7	7	1 pin sheared P2 N.				
Bottom Chor	d			7	7	Missing nuts N & S P2.				
(No. of String	gers : 108)									
Stringer Deta	ail Ratings									
	N (count)	1 (count)	2 (count)	3 (cou	unt)					
Last										
Now										
Stringers				7	7					
(Type : ST I	•									
(Width(mm) : 140)									
(Depth(mm										
(Spacing(m	nm) : 853)									
Paint Condition			5	5	Spot rusting & minor pitting.					
(Colour Description :)					Green.					
(Colour Co	de :)			1		4				
Touchup R	tequired (Y/N)	No								
Bearings				3	3	LON & LOS exp 70mm, twisted 12mm.				
Temperatu	re (deg. C)	25				PIN loose nut, P2N 1 pin sheared, P2N and S missing nutsphoto				
· ·	Type : PINNE									
(Fixed Type	e : ROLLER N	EST BEARIN	G)							
Functioning	g (Y/N)	No								
Sub Deck/De	eck Underside			6	6	Salt stains appearing through cracks. Minor honeycomb concrete.				
(Material T	ype : CONCRI	ETE)								
(Plank Thic	ckness(mm): 1	50)								
(Plank Wid	lth(mm):)									
Defects (Pe	ercent Area)	1								
Span Alignn	nent Problem	s								
Vertical (Y/	/N)	No								
Horizontal	(Y/N)	No								
Superstruct	ure General R	lating		3	3					
					0					
Bridge Com	nonent					Explanation of Condition				
(Secondary S				Lasi	INOM	Explanation of Condition				
Special Feat										
Special Feat					Х					
(Type:)	uic									
Special Feat	IIre				Х					
	uic									
(Type:)										

						Supers	structure
Bridge Com	ponent						Explanation of Condition
(Secondary S	Span : RD)						
Wearing Surf	face/Deck Top	Detail F	Ratings	5			
	N (%)	1 (%)		2 (%)	3 (%)		
Last							
Now							
Wearing Sur	face				5	5	4 lines wide cracks per span.
(Material T	ype : CONCR	ETE)					
(Thickness	(mm) : 50)						
Lateral Conn (Y/N)	ection Probler	m Y	es				
Deck Top					N	N	
Deck Rideab	ility				7	7	
Deck Joints					5	5	No drain trough under finger plate. (Spalling along East abutment up
Temperatu	re (deg. C)	2	25				to 25mm deep.) Cover plate missing @ NW & NE at A1 & A2. AIFB missing @ P2.
(Expansion	Type : FING	ER PLA	TES)				
(Fixed Type	e : ASPHALT	IC FIBR	E BOA	RD)			
Gap Size (mm)		Gap L	ocation			
10			Pier 1				
25			Pier 2				
Deck Draina					6	6	Moderate seepage stains below P2 joint.
Drains Clo	gged (Y/N)	N	No				
Curbs/Media					7	7	
	: Standard)						
Scaling (Pe	ercent Area)	0)				
Bridge Rail					4	4	Single layer. Flexbeam @ West pier should be overlapped both sides, typical.
` , , ,	LVANIZED S	TEEL FL	LEX BI	EAM)			52 hardened washers missing & 1 nut left high on posts anchor bolts.
Bridge Rail F					4	4	
	LVANIZED P LVANIZED P						
Bridge Rail/F	Posts Coating				7	7	
(Type : GA	LVANIZED)						
Sidewalk					X	Х	
Girder Detail	Ratings						
	N (count)	1 (cour	nt)	2 (count)	3 (cou	unt)	
Last							
Now							
Girders					8	8	
Cracking (· · · · · · · · · · · · · · · · · · ·	N	1 0				
	ercent Area)	0)				
(Number Of	Girders : 14)						
Diaphragms/	Cross Frame				X	X	

					Supers	tructure
Bridge Comp				Last	Now	Explanation of Condition
(Secondary S	pan : RD)					
Bearings				7	7	
Temperatur	e (deg. C)	25				
(Expansion	Type : PINNE	ED BEARING)				
(Fixed Type	: ROLLER N	NEST BEARIN	G)			
Coating Ade	equate (Y/N)	Yes				
Functioning		Yes				
Deck Undersi				8	8	
Stains (Per		0				
Span Alignm						
Vertical (Y/I		No				
Horizontal (No				
Superstructu				7	7	
Superstructi	ile Gelleral i	lating		'	'	
					Subst	ructure
Bridge Comp	onent			Last	Now	Explanation of Condition
Abutments						
(Extended E	Backwall Piles	s (Y/N) : N)				
(Extended E	Backwall Piles	s Spacing(mm)):)			
,			·			
(Total Number Bearing Seats	s/Caps/Corbe	ls Detail Rating		3 (co)	int)	
-	N (count)	1 (count)	2 (count)	3 (cou	ınt)	
Last						
Now					1	
Bearing Seats	· ·	ls		8	8	
(Type : COI						
(Depth(mm)):)					
(Width(mm)	:)					
Backwalls/Bre	eastwalls			8	8	
Greatest He	eight (m)	1.40				
Wingwalls 7					7	
(Total Numbe	r of Bearing F	Piles : 0:0)				
Piles Detail R		,				
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	
Last	(- 2)	(() (000)	,	1
Now	1	0	0		0	
Piles	<u> </u>			N	N	
						Apphaltia protective coeffice
Paint/Coating				7	7	Asphaltic protective coating.

					Subst	ructure
Bridge Comp	onent			Last	Now	Explanation of Condition
Abutment Sta	bility			8	8	
Scour/Erosion	n			7	7	
Piers/Bents						
(Type : PIE	R-SOLID)					
(Total Numbe	er of Caps/Co	rbels : 1:1)				
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)			unt)	
Last						
Now						_
Bearing Seat	s/Caps/Corbe	els		7	7	
(Type : CO I	NCRETE)					Medium random vertical & horizontal cracking on pier surface. Wide vertical crack c/l East pier.
(Total Number	er of Bearing F	Piles : 0:0)				
Piles Detail R	atings					
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last						
Now						
Pier Shaft/Pil	es			6	6	
Greatest Height (m) 4.20					_	
Bracing/Struts/Sheathing					X	
Nose Plate				7	7	
Paint/Coating				5	5	Paint eroded from surfaces.
(Colour Des	scription:)					Silver.
(Colour Cod	de :)					
Pier Stability				8	8	
Scour				8	8	
Debris (Y/N)		No				
Substructure	e General Ra	ting		6	6	
					Structu	re Usage
				Last	Now	Explanation of Condition
Channel						
(U/S Direction	•					_
(D/S Direction	n : N)					
Alignment				6	6	
Bank Stability	<i>'</i>			5	4	10m wide erosion develop along U/S West bank.
HWM (m below Top of Curb)					(Bed to deck 10.2 m; water to deck 8.85 m. 15/Nov/2003)	
Drift (Y/N) No						
Slope Protect				5	5	
	TURAL; NAT	URAL)				
Guidebank/S	purs			Х	X	
Adequacy of	Opening			8	8	
(Fish Compe	nsation Meas	ure 1 : NONE	<u> </u>			
(Fish Compe	nsation Meas	ure 2 : NONE	<u> </u>			

Structure Usage								
Last Now Explanation of Condition								
Channel General Rating	5	5						

Bridge Inspection & Maintenance System (Web 2005)

13166 -1 Bridge

			Maintenance Recommend	ations					
Inspector Recommendations	Year	Inspecto	or Comments	Department Co	omments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2010	Replace	missing rail bolts.						
RETROFIT BRIDGE RAIL	2010	Reinstal connecto	I truss flexbeam with correct lap, all or bolts & exp joint.						
SEAL CURBS	2010	Patch sp	palls on curb faces.						
PATCH DECK	2010	Patch c	oncrete spalls.						
SEAL DECK	2010	Seal cra	cks in deck.						
OVERLAY DECK									
RESET/ PAINT BEARINGS	2010	Replace anchor b	expansion bearings, replace L12N polt & missing nuts @ L12S.						
REPAINT SUPERSTRUCTURE									
STRAIGHTEN/REPLACE MEMBERS	2010	Heat stra	aighten U1L1S & U2L2S, add hanger 11SL12N.						
WASHING									
SHOTCRETE REPAIRS									
CORE TIMBER CAPS/CORBELS									
REPAIR/REPLACE TIMBER CAPS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION	2010	Reset al	I hazard markers to correct height.						
OTHER ACTION	2010	Install P	VC drain trough & drip key under ate. Add AIFB at P2 joint.						
OTHER ACTION	2010	Patch A	CP at approaches.						
OTHER ACTION	2010	Reset S at NW.	E guardrail, replace damaged section						
OTHER ACTION	2010	Install 15 U1U2S	5 bolts @ U1U1 portal. Install 1 bolt @ & 1 hanger bolt in bay 12.						
OTHER ACTION	2010	Reset/re NE.	eplace missing coverplates @ NW &						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	50.0/50	.0	Sufficiency Rating (Last/Now) (%)	52.4/52.5	Est. Repl. Yr	2028	Maint. Red	qd. (Y/N)	Yes
Special Monitor river alignment with Comments for Next Inspection	n photos.	Monitor	cracks at L9S.	Department Comments					
Maintenance Reviewed By				Date		E	Stimated Total	0	
Proposed Long-Term Strategy									

13166 -1	Bridge
----------	--------

On 3-Year Program (Y/N)			
Proposed Action			
Previous Inspector's Name	Randy Bredo	Previous Assistant's Name	Robert Scarth
Next Inspection Date	24-Sep-2013	Previous Inspection Date	31-May-2007
Inspection Cycle (Default) (months)	39		
Comment			