						:	Bridge II	nspect	tion							
Bridge File Num	Number 13832 -1 Bridge						Ĭ	Form Type			SG PCS					
Year Built/Year	961/1961							Lot No.			2					
Supstr	COLINITON							Inspector Name			Randy Bredo					
Bridge or Town	LINTON						Inspector Class			BR CLS A						
Located Over	VATINAW RIVER, 8.11.68, WATERCRS-						Assistant Name									
Located On	C1 5.124						Assistant Class									
Water Body Cl./								Inspection Date			29-Jun-2012					
Navigabil. Cl./Ye					Data Entry By			Theresa Lacusta								
Legal Land Loca	ation	SW SE	C 15 TWP	65 RGE	М		Data Entry Date				09-Oct-2012					
Longitude, Latitu	ıde	-113:1							ewer N			Eric Carcou				
Road Authority		Alberta	Transport	ation (Al	T)				ew Dat			08-Oct-2012				
Contract Main. A	Area	CMA1)									Brent Herric				
Clear Roadway/	Skew	9 / 0 de	eg.						. Revie		е	10-Oct-2012	2			
AADT/Year		720 / 2	011 (A)					Follo	w-Up E	Зу						
Road Classificat	ion	RCU-2	09-110													
Detour Length (km)	14														
Allowable Load	(t): Sir	ngle C	S1 28		Semi	C	S2 49		-	Train		S3 62		> On Critical Spans> Critical Member		
Design Loading:		Н	S20											> Primary Span		
Doolgii Loddiiig.			520			Po	osting l	nforma	ation					> 1 minury	Оран	
Required Load Posting (t) Single				Single	r Ostilig i				Semi				Truck Train			
Posted Loading		, ()		Single					Semi				Truck Train			
Posted:	Lane	SB			ction (Y/ľ	N)	No	lı	In Advance (Y/N		//N)			ridge (Y/N)	No	
Posted:	Lane	NB		At Junction		N)	No		In Advance (Y/N)		No		ridge (Y/N)	No		
Remarks	Not re	equired.													·	
Hazard Marker A	At Brid	ge (Y/N) No													
Remarks			Not required.													
Other Sign Type	s		Curve s	signs.												
						Ut	tilities (L	Locate	ed at)							
Utility Attachmer	nts															
Telephone		Nest r/v						Gas								
Power			s road 200		of bridg	oridge.			Municipal							
Others	Trans	. bench	mark @ SV	V				Probl	lem (Y/	/N) 1	No_					
Remarks							_									
						.ast	Approa Now		ao anatio	n of C	ondi	tion				
Horizontal Aligni	ment					.α οι 4	4	<u> </u>					d sne			
Vertical Alignme						5	6		Limited sight distance. 50 km posted speed.							
Roadway Width			9.000	9,000		<u> </u>										
Approach Bump	` '		0.000			7	7									
Guardrail (Y/N)			Yes					1 sec	ction N	IE and	1 se	ection SW hav	ve tea	rs in bottom h	nalf from plow.	
Guardrail						7	4		beam						3 p.e	
Length (m)			18.000													
Current Standa	ard (Y/	N)	Yes													
Termination Ty			Turned	Down												
Drainage						8	7									
Approach Road	d Gene	eral Rat	ing			4	4									

					,	Supers	tructure
Bridge Com	ponent				Last		Explanation of Condition
		ns, Ler	gths(m)	: 9.4-24.4-9.			mber: A0999-74)
Special Feat							
Special Feat						Х	
(Type:)							
Special Feat	ure					Х	
(Type:)							
	Vearing Surface/Deck Top Detail Ratings						
	N (%) 1 (%) 2 (%)				3 (%)		
Last							
Now							
Wearing Surf	face	<u>'</u>	'		7	7	
	ype : CONCRI	ETE - C	ONVEN	TIONAL CH	IP SEA	L	
,	(mm) : 150)						
Deck Top					N	N	
Deck Top					IN	IN	
Deck Rideab	ility				7	7	
Deck Joints					7	7	
Temperatu	re (deg. C)	2	25				
(Expansion	Type : GLAN	D (SILI	CON SE	AL))			
(Fixed Type	e:)						
Gap Size (ı	mm)		Gap Lo	cation			
61			Pier #1	- South			
60			Pier #2	- North			
Deck Drainag	ge				7	5	North and South deck drains drip onto headslope eroding holes,
Drains Clog	gged (Y/N)	I	No				300mm deep.
Curbs/Media	n				7	7	
	:: Standard)						
` .	ercent Area)		1				
Bridge Rail					7	4	PL 1 railing.
	LVANIZED ST	TEEL B	RIDGF 1	TUBE)			2 loose splice bolts between P12E & P13F.
Bridge Rail P				,	7	7	Minor rust @ washers.
	LVANIZED PO	OST ST	EEL;GA	LVANIZED	1	,	Dirty
Bridge Rail/P	Posts Coating				7	7	
					•	'	
Sidewalk	(Type : GALVANIZED) Sidewalk					Х	
Girder/Beam	1						
Cover Plate					3	3	G1 North end has 2 terminated stitch welds on abandoned
Flange					7	7	coverplate.
Web					7	7	G2 South has 18mm live crack. G3 South has 10mm live crack. G3 cracked weld @ end of cover plate. G2 kinked @ South end due
Stiffeners					X	X	to butt weld; no concern. G4 North has terminated cracked stitch weld.
Splice					X	X	G5 South has 55mm live crack in end of plate 1.
Weld					3	3	1
							I .

Superstructure										
Bridge Comp	ponent				Last		Explanation of Condition			
(Primary Spa	n : RB, 3 Spa i	ns, Lengt	:hs(m):	9.4-24.4-9.	4, A-Id	ent Nu	mber: A0999-74)			
Diaphragms/Cross Frame					3	3	G5-1 has 2 terminated cracked stitch welds and 2 non terminated cracked stitch welds, 15mm & 34mm.			
							G5D2 has 1 cracked stitch weld that has terminated.			
Paint Condition	Paint Condition					6	Chipped top coat bottom flanges, primer intact.			
(Colour Des	scription : GRE	EEN)					Green.			
(Colour Cod	de : 14090)									
Touchup Ro	equired (Y/N)	No								
Bearings					4	4	Girder 2 North end missing anchor bolt. Bearings are jammed.			
Temperatur	re (deg. C)	10					Bearing area rusting.			
(Expansion	Type : SLIDIN	NG PLAT	E)							
(Fixed Type	: PINNED BE	EARING)								
Coating Ad	equate (Y/N)	No								
Functioning	g (Y/N)	No								
Deck Unders	ide				4	4	Spall @ G3G4 bay 1 and 3 & G1G2 bay 1, exposed rebar.			
Stains (Per	cent Area)	1					Transverse cracks @ 3.0m o/c, 5% scaling.			
Span Alignm	nent Problems	s								
Vertical (Y/I	N)	No								
Horizontal ((Y/N)	No								
Superstructu	Superstructure General Rating				3	3				
						Supers	tructure			
Bridge Comp	ponent				Last	Now	Explanation of Condition			
(Secondary S	Span : SCC)									
Special Feat	ures									
Special Featu	ure					X				
(Type:)										
Special Featu	ıre					X				
(Type:)										
Wearing Surf	ace/Deck Top	Detail Ra	tings							
	N (%)	1 (%)	2 (%)	3 (%)					
Last										
Now										
Wearing Surf (Material Ty	ace ype : CONCRE	ETE - COI	NVENTI	ONAL CHI	P SEA	7 L	See main span comments.			
(Thickness)	(mm) · 150)									
	ection Problen	n No								
Deck Top					N	N				
Deck Rideabi	ility				7	7				
Deck Joints					7	7	Buffer angles.			
Bump (Y/N))	No								
Deck Drainag					Х	Х	No drains, flow to South.			
Drains Clog		No					,			
Curbs/Mediar		, .0			7	7				
	: Standard)				•					
Scaling (Pe		1								
2 3 4 19 (1 0	,									

						Supers	tructure					
Bridge Comp	oonent				Last	Now	Explanation of Condition					
(Secondary S	Span : SCC)											
Bridge Rail					7	7						
(Type : GAI	LVANIZED ST	TEEL B	RIDGE	TUBE)								
Bridge Rail Po	osts				7	7						
(Type : GAI STEEL)	LVANIZED PO	OST ST	EEL;G	ALVANIZED	POST	_						
Bridge Rail/Posts Coating						7						
(Type : GAI	LVANIZED)											
Sidewalk						X						
Girder Detail	irder Detail Ratings											
	N (count)	1 (cou	ınt)	2 (count)	3 (cou	unt)						
Last												
Now												
Girders					5	6	Longitudinal hair line cracks @ all soffits, 200mm efflorescence. No					
Last Complet	e Inspection [Date 2	29-Jun-	2012			staining. Narrow longitudinal cracks along bottom of girders. All girders North					
Cracking (Y	Cracking (Y/N) Yes					& South spans. Narrow cracks along exterior fascia between CIP and						
Spalling (Pe	Spalling (Percent Area) 0						prestressed girder on both West fascias. Coating peeling @ SE.					
Lift or Connec Grouted (Y/N	Lift or Connector Pocket Yes											
(Number Of C	Girders : 16)											
Span Alignm	ent Problem	s										
Vertical (Y/I	N)	1	No									
Horizontal ((Y/N)	1	No									
Superstructu	ure General R	Rating			5	6						
						Subst	ructure					
						Subst	detaile					
Bridge Comp	oonent				Last	Now	Explanation of Condition					
Abutments					Last							
Abutments (Extended E	Backwall Piles				Last							
Abutments (Extended E	Backwall Piles Backwall Piles	Spacir	ng(mm)	:)	Last							
Abutments (Extended E (Extended E (Total Number	Backwall Piles Backwall Piles er of Caps/Cor	Spacin	ng(mm) :1)		Last							
Abutments (Extended E	Backwall Piles Backwall Piles er of Caps/Cor s/Caps/Corbe	Spacir rbels : 1 Is Detai	ng(mm) :1) Il Rating	gs		Now						
Abutments (Extended E (Extended E (Total Number Bearing Seats	Backwall Piles Backwall Piles er of Caps/Cor	Spacin	ng(mm) :1) Il Rating		Last	Now						
Abutments (Extended E (Extended E (Total Numbe Bearing Seats	Backwall Piles Backwall Piles er of Caps/Cor s/Caps/Corbe	Spacir rbels : 1 Is Detai	ng(mm) :1) Il Rating	gs		Now	Explanation of Condition					
Abutments (Extended E (Extended E (Total Numbe Bearing Seats Last Now	Backwall Piles Backwall Piles er of Caps/Cor s/Caps/Corbe N (count)	Spacir rbels : 1 ls Detai	ng(mm) :1) Il Rating	gs	3 (co.	Now unt)						
Abutments (Extended E (Extended E (Total Number Bearing Seats Last Now Bearing Seats	Backwall Piles Backwall Piles er of Caps/Cor s/Caps/Corbe N (count)	Spacir rbels : 1 ls Detai	ng(mm) :1) Il Rating	gs		Now	Explanation of Condition					
Abutments (Extended E (Extended E (Total Numbe Bearing Seats Last Now Bearing Seats (Type : COI	Backwall Piles Backwall Piles er of Caps/Cor s/Caps/Corbe N (count) s/Caps/Corbe	Spacir rbels : 1 ls Detai	ng(mm) :1) Il Rating	gs	3 (co.	Now unt)	Explanation of Condition					
Abutments (Extended E (Extended E (Total Number Bearing Seats Last Now Bearing Seats (Type : COI (Depth(mm)	Backwall Piles Backwall Piles er of Caps/Corbe N (count) s/Caps/Corbe NCRETE)): 800)	Spacir rbels : 1 ls Detai	ng(mm) :1) Il Rating	gs	3 (co.	Now unt)	Explanation of Condition					
Abutments (Extended E (Extended E (Total Number Bearing Seats Last Now Bearing Seats (Type : COI (Depth(mm) (Width(mm)	Backwall Piles Backwa	Spacir rbels : 1 ls Detai	ng(mm) :1) Il Rating	gs	3 (сол	unt)	Explanation of Condition					
Abutments (Extended E (Extended E (Total Numbe Bearing Seats Last Now Bearing Seats (Type : COI (Depth(mm) (Width(mm)) Backwalls/Bre	Backwall Piles Backwa	s Spacirrbels : 1 Is Detai 1 (cou	ng(mm) :1) il Rating int)	gs	3 (co.	Now unt)	Explanation of Condition					
Abutments (Extended E (Extended E (Total Number Bearing Seats Last Now Bearing Seats (Type : COI (Depth(mm) (Width(mm) Backwalls/Bre Greatest He	Backwall Piles Backwa	s Spacirrbels : 1 Is Detai 1 (cou	ng(mm) :1) Il Rating	gs	3 (cot 8	unt) 8	Explanation of Condition					
Abutments (Extended E (Extended E (Total Number Bearing Seats Last Now Bearing Seats (Type : COI (Depth(mm) (Width(mm) Backwalls/Bre Greatest He Wingwalls	Backwall Piles Backwall Piles Backwall Piles Backwall Piles Backwall Piles Backwall Piles Backwall Caps/Corbe N (count) S/Caps/Corbe NCRETE) 1: 800) 1: 600) 1: 600) 1: 600) 1: 600) 1: 600) 1: 600) 1: 600) 1: 600)	s Spacirrbels : 1 Is Detai 1 (cou	ng(mm) :1) il Rating int)	gs	3 (сол	unt)	Explanation of Condition					
Abutments (Extended E (Extended E (Total Numbe Bearing Seats Last Now Bearing Seats (Type : COI (Depth(mm) (Width(mm) Backwalls/Bre Greatest He Wingwalls (Total Numbe	Backwall Piles Backwa	s Spacirrbels : 1 Is Detai 1 (cou	ng(mm) :1) il Rating int)	gs	3 (cot 8	unt) 8	Explanation of Condition					
Abutments (Extended E (Extended E (Total Number Bearing Seats Last Now Bearing Seats (Type : COI (Depth(mm) (Width(mm) Backwalls/Bre Greatest He Wingwalls	Backwall Piles Backwalls Backwall Piles B	s Spacirrbels : 1 Is Detail 1 (cou	ng(mm) :1) Il Rating int) 1.50	gs 2 (count)	3 (cou 8 8	unt) 8	Explanation of Condition					
Abutments (Extended E (Extended E (Total Number Bearing Seats Last Now Bearing Seats (Type : COI (Depth(mm) (Width(mm) Backwalls/Brec Greatest He Wingwalls (Total Number Piles Detail R	Backwall Piles Backwa	s Spacirrbels : 1 Is Detai 1 (cou	ng(mm) :1) il Rating int) 1.50 :0)	gs 2 (count) 2 (count)	3 (cot 8 8 8 8 8	unt) 8 8 8 unt)	Explanation of Condition					
Abutments (Extended E (Extended E (Extended E (Total Numbe Bearing Seats Last Now Bearing Seats (Type : COI (Depth(mm) (Width(mm) Backwalls/Bre Greatest He Wingwalls (Total Numbe Piles Detail R	Backwall Piles Backwa	s Spacirrbels : 1 Is Detai 1 (cou	ng(mm) :1) Il Rating int) 1.50	gs 2 (count)	3 (cot 8 8 8 8 8	unt) 8	Explanation of Condition					
Abutments (Extended E (Extended E (Total Number Bearing Seats Last Now Bearing Seats (Type : COI (Depth(mm) (Width(mm) Backwalls/Bree Greatest He Wingwalls (Total Number Piles Detail R Last Now	Backwall Piles Backwa	s Spacirrbels : 1 Is Detai 1 (cou	ng(mm) :1) il Rating int) 1.50 :0)	gs 2 (count) 2 (count)	3 (cot 8 8 8 8 8 8	Now unt) 8 8 unt) 0	Explanation of Condition					
Abutments (Extended E (Extended E (Total Number Bearing Seats Last Now Bearing Seats (Type : COI (Depth(mm) (Width(mm) Backwalls/Brec Greatest He Wingwalls (Total Number Piles Detail R Last Now Piles	Backwall Piles Backwall N (count) S/Caps/Corbe NCRETE): 800)): 600) Beastwalls Beight (m) Per of Bearing Fatings N (count) 100 100	s Spacirrbels : 1 Is Detai 1 (cou	ng(mm) :1) il Rating int) 1.50 :0)	gs 2 (count) 2 (count)	3 (cou	Now Unit) 8 8 8 Unit) 0 N	Explanation of Condition					
Abutments (Extended E (Extended E (Total Number Bearing Seats Last Now Bearing Seats (Type : COI (Depth(mm) (Width(mm) Backwalls/Bree Greatest He Wingwalls (Total Number Piles Detail R Last Now	Backwall Piles Backwa	s Spacirrbels : 1 Is Detai 1 (cou	ng(mm) :1) il Rating int) 1.50 :0)	gs 2 (count) 2 (count)	3 (cot 8 8 8 8 8 8	Now unt) 8 8 unt) 0	Explanation of Condition					

					Subst	ructure
Bridge Comp	onent			Last	Now	Explanation of Condition
Scour/Erosion	l			7	7	
Diara/Danta						
Piers/Bents (Type : PIEF	S-SOLID)					
(Total Number		nole : 1:1)				
Bearing Seats			ac .			
	N (count)	1 (count)	2 (count)	3 (cou	ınt\	
Last	iv (court)	i (court)	Z (count)	3 (606	arit)	Small spall on pier 1 cap - 600 x 300 under S1G4 (photo).
Now						
Bearing Seats	:/Cans/Corbels	S		8	4	-
(Type : CON		<u> </u>				
(Depth(mm)						
(Width(mm)	· ·					
(Total Number	· ·	iles : 0:0)				Narrow map cracking with 10% efflorescence.
Piles Detail Ra						
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last	N (count) 1 (count) 2 (count) 100 0 0					
Now		-			0	
Pier Shaft/Pile	es			7	7	
Bracing/Struts				X	X	
	Diading/Ottats/Officatining					
Nose Plate				X	X	
Paint/Coating				6	6	Grey.
(Colour Des	cription :)					Minor flaking/cracking.
(Colour Cod						
Pier Stability	,			8	8	
Scour				5	6	
Debris (Y/N)		No				
Substructure	General Rati	ing		7	4	
		<u> </u>				
						re Usage
				Last	Now	Explanation of Condition
Channel (LI/C Direction	. . .					Manadavianataaan
(U/S Direction						Meandering stream.
(D/S Direction	. vv)					
Alignment				5	5	
Bank Stability				5	5	
HWM (m below	w Top of Curb	o)				HWM not visible.
Drift (Y/N)		No				
Slope Protecti	on			6	6	Bank has slid North side at East corner - (photo).
(Type : NON	IE; NONE)					
Guidebank/Sp	ours			X	X	
Adequacy of C	Opening			7	7	
(Fish Compen	sation Measu	re 1 : NONE)				
(Fish Compen						
Channel Gen		,		5	5	

13832 -1 Bridge

Maintenance Recommendations													
Inspector Recommendations		Year	Inspecto	r Comments		Department Co	mmen	Target Year	Est. Cost	Cat #			
REPAIR/REPLACE BRIDGE RAIL													
GALVANIZE/PAINT BRIDGE RAIL													
RETROFIT BRIDGE RAIL													
SEAL CURBS		2013	Seal all	curb faces.									
PATCH DECK		2013	Repair u	/s deck spalls at next rehab.									
SEAL DECK													
OVERLAY DECK													
REPAIR/REPLACE DECK JOINTS													
RESET/ PAINT BEARINGS													
REPAINT SUPERSTRUCTURE													
STRAIGHTEN/REPLACE MEMBERS													
WASHING													
SHOTCRETE REPAIRS													
REPAIR ABUTMENT SCOUR/EROSI	NC												
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
OTHER ACTION		2013	Remove from bot	e old abandoned coverplate n tom flange,	naterial								
OTHER ACTION		2013	Grind ou G5PL1S	t cracks G4PL1N, G4PL2H a	ınd								
OTHER ACTION		2013	Repair 5	cracked stitch welds on diap	hragms.								
OTHER ACTION		2013	Patch sig	de of pier under S1G4.									
Structural Condition Rating (Last/No. (%)	ow)	55.6/38.9 Sufficiency Rating (Last/N				56.5/46.6	Es	t. Repl. Yr	2045	Maint. Red	ąd. (Υ/N)	Yes	
Special Comments for Next Inspection						Department Comments							
Maintenance Reviewed By						Date			1	Estimated Total	0		
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name	Randy	Bredo			Previous /	Assistant's Name)						
Next Inspection Date	29-Sep	o-2015			Previous	Inspection Date		29-Jul-2010					
Inspection Cycle (Default) (months)	39												
Comment													